

Career Clusters

Agriculture, Food & Natural Resources

The Agriculture, Food, and Natural Resources Career Cluster pertains to production, processing, marketing, distribution, financing, and the development of agricultural commodities and resources.

Architecture & Construction

The Architecture and Construction Career Cluster pertains to designing, planning, managing, building, and maintaining the built environment. They include:

- **Commercial and Residential Construction**
Commercial and Residential Construction industries design, assemble, and execute private and public buildings and structures.
- **Critical infrastructure**
Critical Infrastructure industries are essential for the functioning of a society and its economy. These industries include bridges, electricity, hospitals, public spaces, schools, roads, etc.

Arts, A/V Technology & Communications

The Arts, A/V Technology, and Communications Career Cluster pertains to designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Business, Management & Administration

The Business, Management, and Administration Career Cluster pertains to planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Education & Training

The Education and Training Career Cluster pertains to planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.

Finance

The Finance Career Cluster pertains to planning, services for financial and investment planning, banking, insurance, and business financial management.

Government & Public Administration

The Government and Public Administration Career Cluster pertains to executing governmental functions such as: governance, national security, foreign service, planning, revenue and taxation, regulation, and management and administration at the local, state, and federal levels.

Health Science

The Health Science Career Cluster pertains to therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Hospitality & Tourism

The Hospitality and Tourism Career Cluster pertains to the management, marketing, and operations of restaurants and other foodservices, lodging, attractions, recreation events, and travel-related services.

Human Services

The Human Services Career Cluster relates to families and human needs such as counseling and mental health services, personal care, and consumer services.

Information Technology

The Information Technology Career Cluster pertains to designing, developing, managing, and supporting hardware, software, multimedia, and systems integration services. These careers align with careers found in all Connecticut's Industry Clusters or Industry. It is the application of computers and telecommunications systems to store, retrieve, transmit, and manipulate data.

Law, Public Safety, Corrections & Security

The Law, Public Safety, Corrections and Security Career Cluster pertains to planning, managing, and providing legal, public safety, protective services, and homeland security services including professional and technical support services.

Manufacturing

The Manufacturing Career Cluster pertains to planning, managing, and performing the processing of materials into products. Careers in professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering are also included. Advanced Manufacturing integrates and applies technologies, processes, and methods to improve product, design, and production.

Marketing, Sales, & Service

The Marketing, Sales, and Service Career Cluster pertains to planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.

Science, Technology, Engineering & Mathematics

The Science, Technology, Engineering, and Mathematics Career Cluster (STEM) pertains to planning, managing, and providing scientific research, and professional and technical services (e.g., physical science, social science, and engineering).

- **Science** encompasses the study of the universe.
- **Technology** applies information to solve a problem.
- **Engineering** incorporates both science and mathematics to solve problems.
- **Mathematics** is the study of quantity, structure, space, shape, arrangement and change.
- **Bioscience** pertains to living things and their interactions with each other and the natural environment.

Transportation, Distribution & Logistics

The Transportation, Distribution, and Logistics Career Cluster pertains to planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water, as well as related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.