**CAREER CLUSTERS & PATHWAYS**



*Clusters are shown in color, pathways in black beneath cluster description.*

***Agriculture, Food, and Natural Resources***

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. It includes the following pathways:

* Food Products & Processing Systems
* Plant Systems
* Animal Systems
* Power, Structural & Technical Systems
* Natural Resources Systems
* Environmental Service Systems
* Agribusiness Systems

***Arts, A/V Technology & Communications***

This cluster encompasses careers related to the designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

* A/V Technology & Film Career Pathway
* Printing Technology Career Pathway
* Visual Arts Career Pathway
* Performing Arts Career Pathway
* Journalism & Broadcasting Career Pathway
* Telecommunications Career Pathway

***Business Management and Administration***

The Business Management and Administration Cluster encompasses careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

* General Management Pathway
* Business Information Management Pathway
* Human Resources Management Pathway
* Operations Management Pathway
* Administrative Support Pathway

***Architecture & Construction***

The architecture and construction cluster includes careers in designing, planning, managing, building, and maintaining the built environment.

* Design/Pre-Construction Pathway
* Construction Pathway
* Maintenance/Operations Pathway

***Education and Training***

The Education and Training Cluster encompasses planning, managing and providing education and training services, and related learning support services.

* Administration & Administrative Support Pathway
* Professional Support Services Pathway
* Teaching/Training Pathway

***Finance***

The Finance Cluster encompasses careers related to services for financial and investment planning, banking, insurance, and business financial management.

* Securities & Investments
* Business Finance
* Accounting
* Insurance
* Banking

***Government & Public Administration***

This Cluster encompasses careers related to planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.

* Governance Pathway
* National Security Pathway
* Planning Pathway
* Public Management & Administration Pathway
* Regulation Pathway
* Revenue & Taxation Pathway

***Health Science***

The health science career cluster includes planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. It includes the following pathways:

* Therapeutic Services
* Diagnostic Services
* Health Informatics
* Support Services
* Biotechnology Research and Development

***Hospitality & Tourism***

This Cluster encompasses careers related to the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

* Restaurant & Food/Beverage Services Pathway
* Lodging Pathway
* Travel & Tourism Pathway
* Recreation, Amusement & Attractions Pathway

***Human Services***

The Human Services Cluster encompasses careers related to employment in pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

* Consumer Services Pathway
* Counseling & Mental Health Services Pathway
* Early Childhood Development & Services Pathway
* Family & Community Services Pathway
* Personal Care Services Pathway

***Information Technology (IT)***

The IT Cluster encompasses careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services and includes the following pathways:

* + Network Systems
	+ Information Support and Services
	+ Web and Digital Communications
	+ Programming and Software Development

***Law and Public Safety***

This Cluster encompasses careers related to planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

* Corrections Services Pathway
* Emergency & Fire Management Services Pathway
* Law Enforcement Services Pathway
* Legal Services Pathway
* Revenue & Taxation Pathway

***Manufacturing***

The Manufacturing Cluster encompasses planning, managing, and processing materials into products (final products or intermediate products). It also includes support activities (both technical and professional) like production planning and control, maintenance, and engineering. The manufacturing cluster has six pathways:

* Production
* Manufacturing Productions Process Development
* Maintenance, Installation, and Repair
* Quality Assurance
* Logistics and Inventory Control
* Health, Safety, and Environmental Assurance

***Marketing***

The Marketing Cluster encompasses careers related to the planning, managing, and performing marketing activities to reach organizational objectives.

* Marketing Management Pathway
* Professional Sales Pathway
* Merchandising Pathway
* Marketing Communications Pathway
* Marketing Research Pathway

***Science, Technology, Engineering, and Mathematics (STEM)***

The STEM Cluster encompasses planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering).

* Engineering & Technology
* Science & Math

***Transportation, Distribution & Logistics (TDL)***

The TDL Cluster encompasses careers related to planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

* + Transportation Operations Pathway
	+ Logistics Planning & Management Services Pathway
	+ Warehousing & Distribution Center Operations Pathway
	+ Facility & Mobile Equipment Maintenance Pathway
	+ Transportation Systems/Infrastructure Planning, Management & Regulation Pathway
	+ Health, Safety & Environmental Management Pathway
	+ Sales & Service Pathway