

# Career Clusters & Pathways

The National Career Clusters Framework is comprised of 16 Career Clusters and related Career Pathways to help students explore different career options and better prepare for college and career.

- **Agriculture, Food & 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.

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

- **Architecture & Construction**

Careers in designing, planning, managing, building and maintaining the built environment.

- Design/Pre-Construction
- Construction
- Maintenance/Operations

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

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

- Audio and Video Technology and Film
- Printing Technology
- Visual Arts
- Performing Arts
- Journalism and Broadcasting
- Telecommunications

- **Business Management & Administration**

Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

- General Management
- Business Information Management
- Human Resources Management
- Operations Management
- Administrative Support

- **Education & Training**

Planning, managing and providing education and training services, and related learning support services.

- Administration and Administrative Support
- Professional Support Services
- Teaching/Training

- **Finance**  
 Planning, services for financial and investment planning, banking, insurance, and business financial management.
  - Securities & Investments
  - Business Finance
  - Accounting
  - Insurance
  - Banking Services
- **Government & Public Administration**  
 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
  - National Security
  - Foreign Service
  - Planning
  - Revenue and Taxation
  - Regulation
  - Public Management and Administration
- **Health Science**  
 Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
  - Therapeutic Services
  - Diagnostic Services
  - Health Informatics
  - Support Services
  - Biotechnology Research and Development
- **Hospitality & Tourism**  
 Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.
  - Restaurants and Food/Beverage Services
  - Lodging
  - Travel & Tourism
  - Recreation, Amusements & Attractions
- **Human Services**  
 Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.
  - Early Childhood Development & Services
  - Counseling & Mental Health Services
  - Family & Community Services
  - Personal Care Services
  - Consumer Services
- **Information Technology**  
 Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.
  - Network Systems
  - Information Support and Services
  - Web and Digital Communications
  - Programming and Software Development

- **Law, Public Safety, Corrections & Security**  
 Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
  - Correction Services
  - Emergency and Fire Management Services
  - Security & Protective Services
  - Law Enforcement Services
  - Legal Services
  
- **Manufacturing**  
 Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.
  - Production
  - Manufacturing Production Process Development
  - Maintenance, Installation & Repair
  - Quality Assurance
  - Logistics & Inventory Control
  - Health, Safety and Environmental Assurance
  
- **Marketing**  
 Planning, managing, and performing marketing activities to reach organizational objectives.
  - Marketing Management
  - Professional Sales
  - Merchandising
  - Marketing Communications
  - Marketing Research
  
- **Science, Technology, Engineering & Mathematics**  
 Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
  - Engineering and Technology
  - Science and Math
  
- **Transportation, Distribution & Logistics**  
 Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.
  - Transportation Operations
  - Logistics Planning and Management Services
  - Warehousing and Distribution Center Operations
  - Facility and Mobile Equipment Maintenance
  - Transportation Systems/Infrastructure
  - Planning, Management and Regulation
  - Health, Safety and Environmental Management
  - Sales and Service

*(Adapted from National Association of State Directors of Career Technical Education, 2012. )*