




# RELATING NATIONAL CAREER CLUSTERS TO CAREER PATHWAYS

CAREER CLUSTER	CAREER PATHWAYS
 <p>Agriculture, Food, and Natural Resources</p> <p>The <b>Agriculture, Food, and Natural Resources</b> (AFNR) Career Cluster® focuses on the essential elements of life – food, water, land, and air.</p>	<ul style="list-style-type: none"> <li>• Agribusiness</li> <li>• Animal Science</li> <li>• Applied Agricultural Engineering</li> <li>• Environmental and Natural Resources</li> <li>• Food Science and Technology</li> <li>• Plant Science</li> </ul>
 <p>Architecture and Construction</p> <p>The <b>Architecture and Construction</b> Career Cluster® focuses on designing, planning, managing, building, and maintaining the built environment.</p>	<ul style="list-style-type: none"> <li>• Architectural Design</li> <li>• Construction Management and Inspection</li> <li>• Carpentry</li> <li>• Electrical</li> <li>• HVAC and Sheet Metal</li> <li>• Masonry</li> <li>• Plumbing and Pipe Fitting</li> </ul>
 <p>Arts, Audio Video Technology, and Communications</p> <p>The <b>Arts, A/V Technology, and Communications</b> (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services.</p>	<ul style="list-style-type: none"> <li>• Design and Multimedia Arts</li> <li>• Digital Communications</li> </ul>
 <p>Business, Marketing, and Finance</p> <p>The <b>Business, Marketing, and Finance</b> Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.</p>	<ul style="list-style-type: none"> <li>• Accounting and Financial Services</li> <li>• Business Management</li> <li>• Entrepreneurship</li> <li>• Marketing and Sales</li> </ul>
 <p>Education and Training</p> <p>The <b>Education and Training</b> Career Cluster® focuses on planning, managing, and providing education and training services and related learning support services.</p>	<ul style="list-style-type: none"> <li>• Early Learning</li> <li>• Teaching and Training</li> </ul>

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 <p>Energy</p> <p>The <b>Energy</b> Career Cluster® prepares individuals for careers in the designing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy.</p>	<ul style="list-style-type: none"> <li>• Oil and Gas Exploration and Production</li> <li>• Refining and Chemical Processes</li> </ul>
 <p>Health Science</p> <p>The <b>Health Science</b> Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development.</p>	<ul style="list-style-type: none"> <li>• Exercise Science and Wellness</li> <li>• Health Informatics</li> <li>• Healthcare Diagnostics</li> <li>• Healthcare Therapeutics</li> <li>• Nursing Science</li> <li>• Medical Therapy</li> </ul>
 <p>Hospitality and Tourism</p> <p>The <b>Hospitality and Tourism</b> Career Cluster® focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services.</p>	<ul style="list-style-type: none"> <li>• Culinary Arts</li> <li>• Lodging and Resort Management</li> <li>• Travel, Tourism, and Attractions</li> </ul>
 <p>Human Services</p> <p>The <b>Human Services</b> Career Cluster® focuses on 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 services, and consumer services.</p>	<ul style="list-style-type: none"> <li>• Family and Community Services</li> <li>• Health and Wellness</li> </ul>
 <p>Information Technology</p> <p>The <b>Information Technology</b> (IT) Career Cluster® focuses on 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.</p>	<ul style="list-style-type: none"> <li>• Information Technology Support and Services</li> <li>• Networking Systems</li> <li>• Web Development</li> </ul>

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 <p>Law and Public Service</p> <p>The <b>Law and Public Service</b> Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services.</p>	<ul style="list-style-type: none"> <li>• Emergency Services</li> <li>• Government and Public Administration</li> <li>• Law Enforcement</li> <li>• Legal Studies</li> </ul>
 <p>Manufacturing</p> <p>The <b>Manufacturing</b> Career Cluster® focuses on 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.</p>	<ul style="list-style-type: none"> <li>• Advanced Manufacturing and Machinery Mechanics</li> <li>• Manufacturing Technology</li> <li>• Welding</li> </ul>
 <p>Science, Technology, Engineering, and Mathematics</p> <p>The <b>Science, Technology, Engineering, and Mathematics</b> (STEM) Career Cluster® focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services and research and development services.</p>	<ul style="list-style-type: none"> <li>• Biomedical Science</li> <li>• Cybersecurity</li> <li>• Engineering</li> <li>• Programming and Software Development</li> <li>• Renewable Energy</li> </ul>
 <p>Transportation, Distribution, and Logistics</p> <p>The <b>Transportation, Distribution, and Logistics</b> Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.</p>	<ul style="list-style-type: none"> <li>• Automotive</li> <li>• Aviation Maintenance</li> <li>• Diesel and Heavy Equipment</li> <li>• Distribution and Logistics</li> </ul>