

Module Name	Career Cluster / Pathway	Careers
<b>Alternative Energy</b>	STEM Career Cluster Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>Materials Scientists</li> <li>Wind Energy Engineer</li> <li>Wildlife Biologist</li> <li>Biochemical Engineer</li> <li>Civil Engineer</li> <li>Nuclear Engineer</li> </ul>
<b>Audio Communications</b>	Arts, A/V Technology & Communications Career Cluster Journalism & Broadcasting Career Pathway	<ul style="list-style-type: none"> <li>Radio Producer</li> <li>Broadcast Maintenance Technician</li> <li>Sound Engineer</li> <li>Radio Announcer</li> <li>Program Director</li> <li>Advertising Manager</li> <li>General Manager</li> </ul>
<b>Computer Aided Drafting (CAD)</b>	Architecture & Construction Career Cluster Design/Pre-construction Career Pathway	<ul style="list-style-type: none"> <li>Architect</li> <li>Structural Engineer</li> <li>Civil Drafter</li> <li>Interior Designer</li> <li>Industrial Engineer</li> <li>Mechanical Drafter</li> <li>Civil Engineer</li> <li>Landscape Architects</li> </ul>
<b>CAD &amp; Design</b>	Architecture & Construction Career Cluster Design/Pre-construction Career Pathway	<ul style="list-style-type: none"> <li>Architects</li> <li>Architectural and Civil Drafters</li> <li>Cartographers and Photogrammetrists</li> <li>Civil Engineers</li> <li>Civil Engineering Technologists and Technicians</li> <li>Commercial and Industrial Designers</li> <li>Electrical and Electronics Drafters</li> <li>Industrial Engineers</li> <li>Interior Designer</li> <li>Landscape Architects</li> <li>Mechanical Drafter</li> <li>Mechanical Engineers</li> <li>Mechanical Engineering Technologists and Technicians</li> <li>Manufacturing Engineers</li> <li>Surveying and Mapping Technicians</li> </ul>
<b>Computer Graphics &amp; Animation</b>	Arts, A/V Technology & Communications Career Cluster A/V Technology & Film Career Pathway	<ul style="list-style-type: none"> <li>Graphic Designer</li> <li>Computer Graphic Artist</li> <li>Editor</li> <li>Typesetter</li> <li>Architect</li> <li>Software Developer</li> <li>Multimedia Artist</li> </ul>
<b>Computer Graphics &amp; Game Development</b>	Arts, A/V Technology & Communications Career Cluster Visual Arts Career Pathway	<ul style="list-style-type: none"> <li>Graphic Designers</li> <li>Special Effects Artists and Animators</li> <li>Video Game Designers</li> <li>Sound Engineering Technicians</li> </ul>

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<b>Cosmetology &amp; Barbering</b>	Human Services Career Cluster Personal Care Services Career Pathway	<ul style="list-style-type: none"> <li>• Barbers</li> <li>• Hairdressers, Hairstylists, and Cosmetologists</li> <li>• Manicurists and Pedicurists</li> <li>• Shampoos</li> <li>• Skincare Specialists</li> <li>• Spa Managers</li> <li>• Makeup Artists, Theatrical and Performance</li> <li>• Career/Technical Education Teachers, Postsecondary</li> <li>• Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products</li> <li>• Chemists</li> </ul>
<b>Criminalistics</b>	Law, Public Safety, Corrections & Security Career Cluster Law Enforcement Services Career Pathway	<ul style="list-style-type: none"> <li>• Police Identification and Records Officers</li> <li>• Detectives and Criminal Investigators</li> <li>• Forensic Science Technicians</li> <li>• First-Line Supervisors of Police and Detectives</li> <li>• Digital Forensics Analysts</li> <li>• Chemists</li> <li>• Chemical Technicians</li> </ul>
<b>Design &amp; Marketing</b>	Marketing Career Cluster Visual Arts Career Pathway <i>Arts, A/V Technology &amp; Communications Career Cluster</i>	<ul style="list-style-type: none"> <li>• Commercial and Industrial Designers</li> <li>• Fashion Designers</li> <li>• Graphic Designers</li> <li>• Art Directors</li> <li>• Advertising and Promotions Managers</li> <li>• Marketing Managers</li> <li>• Green Marketers</li> <li>• Market Research Analysts and Marketing Specialists</li> <li>• Merchandise Displayers and Window Trimmers</li> </ul>
<b>Digital Audio Production</b>	Visual Arts Career Pathway <i>Arts, A/V Technology &amp; Communications Career Cluster</i>	<ul style="list-style-type: none"> <li>• Sound Engineering Technician</li> <li>• Producers</li> <li>• Technical Directors/Managers</li> <li>• Audio and Video Equipment Technicians</li> <li>• Broadcast Technicians</li> <li>• Musicians and Singers</li> <li>• Program Directors</li> </ul>
<b>Digital Manufacturing</b>	Manufacturing Career Cluster Production Career Pathway	<ul style="list-style-type: none"> <li>• Commercial and Industrial Designers</li> <li>• CNC Machine Tool Operator</li> <li>• Mechanical Engineering Technologists</li> <li>• Materials Scientists</li> <li>• Robotics Engineer</li> </ul>
<b>Digital Music</b>	Arts, A/V Technology & Communications Career Cluster	<ul style="list-style-type: none"> <li>• Musician</li> <li>• Recording Engineer</li> <li>• Producer</li> <li>• Audio Technician</li> <li>• Composer</li> </ul>

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	A/V Technology & Film Career Pathway	<ul style="list-style-type: none"> <li>• Music Director</li> </ul>
<b>Electricity &amp; Electronics</b>	STEM Career Cluster Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Forensic Science Technician</li> <li>• Forensic Fraud Investigator</li> <li>• Criminal Investigator</li> <li>• Coroner</li> <li>• Anthropologist</li> <li>• Lab Technician</li> </ul>
<b>Emergency &amp; Fire Management Services</b>	Law, Public Safety, Corrections & Security Career Cluster Emergency and Fire Management Services Career Pathway	<ul style="list-style-type: none"> <li>• Emergency Medical Technicians and Paramedics</li> <li>• Fire Inspectors</li> <li>• Fire Investigators</li> <li>• Municipal Firefighters</li> <li>• Forest Firefighters</li> <li>• Forest Fire Fighting and Prevention Supervisors</li> <li>• Forest Fire Inspectors and Prevention Specialists</li> <li>• Municipal Fire Fighting and Prevention Supervisors</li> <li>• Police, Fire, and Ambulance Dispatchers</li> <li>• Police Patrol Officers</li> <li>• Emergency Management Directors</li> </ul>
<b>Energy &amp; Power</b>	STEM Career Cluster Science and Math Career Pathway	<ul style="list-style-type: none"> <li>• Chemist</li> <li>• Physicist</li> <li>• Electrical Engineers</li> <li>• Chemical Engineer</li> <li>• Computer Engineer</li> <li>• Electrician</li> <li>• Electronics Engineering Technician</li> </ul>
<b>Environment &amp; Ecology</b>	Agriculture, Food & Natural Resources Career Cluster Environmental Service Systems Career Pathway	<ul style="list-style-type: none"> <li>• Biologist</li> <li>• Water Quality Management Technician</li> <li>• Environmental Compliance Inspectors</li> <li>• Recycling Worker</li> <li>• Chemist</li> </ul>
<b>Flight Technology</b>	STEM Career Cluster Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Air Traffic Controller</li> <li>• Physicist</li> <li>• Aeronautical Engineer</li> <li>• Pilot</li> <li>• Aircraft Mechanic</li> </ul>
<b>Flight &amp; Drone Technology</b>	STEM Career Cluster Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Aerospace Engineers</li> <li>• Aeronautical Engineers</li> <li>• Aviation Inspectors</li> <li>• Electrical Engineers</li> <li>• Mechanical Engineers</li> <li>• Air Traffic Controller</li> <li>• Physicist</li> </ul>

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		<ul style="list-style-type: none"> <li>Airline Pilots, Copilots, and Flight Engineers</li> <li>Aircraft Mechanic</li> </ul>
<b>Forensic Science</b>	STEM Career Cluster Science and Math Career Pathway	<ul style="list-style-type: none"> <li>Police Officer</li> <li>Detective</li> <li>Crime Scene Investigator</li> <li>Criminalist</li> <li>FBI Agent</li> <li>Soil Scientist</li> <li>Forensic Scientist</li> </ul>
<b>Home Maintenance Fundamentals</b>	Architecture & Construction Career Cluster Construction Career Pathway	<ul style="list-style-type: none"> <li>Construction and Building Inspectors</li> <li>Construction Carpenters</li> <li>Construction Managers</li> <li>Cost Estimators</li> <li>Drywall and Ceiling Tile Installers</li> <li>Energy Auditors</li> <li>Helpers--Installation, Maintenance, and Repair Workers</li> <li>Painters, Construction and Maintenance</li> <li>Security and Fire Alarm Systems Installers</li> <li>Tile and Marble Setters</li> <li>Weatherization Installers and Technicians</li> </ul>
<b>Home Maintenance Systems</b>	Architecture & Construction Career Cluster Maintenance/Operations Career Pathway	<ul style="list-style-type: none"> <li>Construction and Building Inspectors</li> <li>Construction Carpenters</li> <li>Security and Fire Alarm Systems Installers</li> <li>Plumbers</li> <li>Pipe Fitters and Steamfitters</li> <li>Electrical Power-Line Installers and Repairers</li> <li>Electricians</li> <li>Heating and Air Conditioning Mechanics and Installers</li> <li>Weatherization Installers and Technicians</li> </ul>
<b>Hospitality &amp; Tourism Management</b>	Hospitality & Tourism Career Cluster All Four Pathways	<ul style="list-style-type: none"> <li>Meeting, Convention, and Event Planners</li> <li>Hotel, Motel, and Resort Desk Clerks</li> <li>Lodging Managers</li> <li>Recreation Workers</li> <li>Chefs and Head Cooks</li> <li>Food Service Managers</li> <li>Reservation and Transportation Ticket Agents and Travel Clerks</li> <li>Travel Agents</li> <li>Concierges</li> </ul>
<b>Intro to Child Development</b>		<ul style="list-style-type: none"> <li>School Psychologists</li> <li>Child, Family, and School Social Workers</li> <li>Social and Human Service Assistants</li> <li>Childcare Workers</li> </ul>

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	Human Services Career Cluster  Early Childhood Development & Services Career Pathway	<ul style="list-style-type: none"> <li>• Education Administrators, Preschool and Childcare Center/Program</li> <li>• Elementary School Teachers, Except Special Education</li> <li>• Kindergarten Teachers, Except Special Education</li> <li>• Preschool Teachers, Except Special Education</li> <li>• Special Education Teachers, Preschool</li> <li>• Special Education Teachers, Kindergarten and Elementary School</li> <li>• Audiologists</li> <li>• Speech-Language Pathologists</li> <li>• Occupational Therapists</li> </ul>
<b>Intro to Computer Science</b>	Information Technology Career Cluster  All Four Pathways	<ul style="list-style-type: none"> <li>• Computer Network Support Specialists</li> <li>• Information Security Analysts</li> <li>• Network and Computer Systems Administrators</li> <li>• Computer Programmers</li> <li>• Software Developers</li> <li>• Computer Systems Analysts</li> <li>• Web Developers</li> <li>• Computer and Information Research Scientists</li> <li>• Video Game Designers</li> </ul>
<b>Intro to Culinary Arts</b>	Hospitality and Tourism Career Cluster  Restaurants & Food/ Beverage Services Career Pathway	<ul style="list-style-type: none"> <li>• Waiter / Waitress</li> <li>• Baristas</li> <li>• Bakers</li> <li>• Chefs and Head Cooks</li> <li>• Food Preparation Workers</li> <li>• Food Service Managers</li> <li>• First-Line Supervisors of Food Preparation and Serving Workers</li> <li>• Dietetic Technicians</li> </ul>
<b>Intro to Engineering &amp; Design</b>	STEM Career Cluster  Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Mechanical Engineers</li> <li>• Mechanical Engineering Technologists</li> <li>• Electrical Engineers</li> <li>• Electrical Engineering Technologists</li> <li>• Civil Engineers</li> <li>• Civil Engineering Technicians</li> <li>• Chemical Engineers</li> <li>• Chemical Engineering Technicians</li> <li>• Biomedical Engineers</li> <li>• Manufacturing Engineers</li> <li>• Validation Engineers</li> <li>• Architectural and Engineering Managers</li> </ul>
<b>Intro to Health Science Careers</b>	Health Science Career Cluster	<ul style="list-style-type: none"> <li>• Biomedical Engineers</li> <li>• Medical Scientists</li> </ul>

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	Biotechnology R&D Career Pathway  Diagnostic Services Career Pathway  Support Services Career Pathway  Health Informatics Career Pathway  Therapeutic Services Career Pathway	<ul style="list-style-type: none"> <li>• Medical and Clinical Laboratory Technologists</li> <li>• Health Technologists and Technicians</li> <li>• Medical Records and Health Information Technicians</li> <li>• Medical and Health Services Managers</li> <li>• Phlebotomists</li> <li>• Speech-Language Pathologists</li> <li>• Audiologists</li> <li>• Dentists</li> <li>• Optometrists</li> <li>• Occupational Therapists</li> <li>• Physical Therapists</li> <li>• Pharmacists</li> <li>• Sports Medicine Physicians</li> </ul>
<b>Laser Technology</b>	STEM Career Cluster  Science and Math Career Pathway	<ul style="list-style-type: none"> <li>• Radiologist</li> <li>• Meteorologist</li> <li>• Surgeon</li> <li>• Structural Engineer</li> <li>• Surveyor</li> <li>• Dentist</li> <li>• Aerospace Engineer</li> <li>• Electronics Engineering Technician</li> </ul>
<b>Lifetime Nutrition &amp; Wellness</b>	Human Services Career Cluster  Personal Care Services Career Pathway	<ul style="list-style-type: none"> <li>• Fitness Trainers and Aerobics Instructors</li> <li>• Child, Family, and School Social Workers</li> <li>• Health Educators</li> <li>• Healthcare Social Workers</li> <li>• Social and Community Service Managers</li> </ul>
<b>Materials Processing</b>	Manufacturing Career Cluster  Production Career Pathway	<ul style="list-style-type: none"> <li>• Finish Carpenter</li> <li>• Furniture Maker</li> <li>• Manufacturing Engineer</li> <li>• Production Manager</li> <li>• Industrial Engineer</li> <li>• Materials Engineers</li> <li>• Product Designer</li> </ul>
<b>Materials Processing &amp; Design</b>	Manufacturing Career Cluster  Production Career Pathway	<ul style="list-style-type: none"> <li>• Materials Engineer</li> <li>• Manufacturing Engineers</li> <li>• Commercial and Industrial Designers</li> <li>• Manufacturing Engineering Technologists</li> <li>• Adhesive Bonding Machine Operators and Tenders</li> <li>• Coating, Painting, and Spraying Machine Setters, Operators, and Tenders</li> <li>• Computer-Controlled Machine Tool Operators, Metal and Plastic</li> <li>• First-Line Supervisors of Production and Operating Workers</li> <li>• Glass Blowers, Molders, Benders, and Finishers</li> </ul>

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		<ul style="list-style-type: none"> <li>• Potters, Manufacturing</li> <li>• Rolling Machine Setters, Operators, and Tenders, Metal and Plastic</li> <li>• Welders, Cutters, and Welder Fitters</li> </ul>
<b>Mechanisms</b>	STEM Career Cluster  Science and Math Career Pathway	<ul style="list-style-type: none"> <li>• Millwright</li> <li>• Farm Equipment Mechanic</li> <li>• Construction Equipment Operator</li> <li>• Automotive Mechanic</li> <li>• Mechanical Engineers</li> <li>• Mobile Heavy Equipment Mechanic</li> <li>• General Maintenance Mechanic</li> <li>• Industrial Machinery Repair Technician</li> </ul>
<b>Occupational Health &amp; Safety - Construction</b>	Government & Public Administration Career Cluster  Regulation Career Pathway	<ul style="list-style-type: none"> <li>• Occupational Health and Safety Specialists</li> <li>• Occupational Health and Safety Technicians</li> <li>• Industrial Safety and Health Engineers</li> <li>• Construction and Building Inspectors</li> <li>• Agricultural Inspectors</li> </ul>
<b>Personal Finance</b>	Finance Career Cluster	<ul style="list-style-type: none"> <li>• Financial Managers, Branch or Department</li> <li>• Loan Officers</li> <li>• Accountants and Auditors</li> <li>• Financial Specialists</li> <li>• Tax Preparers</li> <li>• Insurance Claims Clerks</li> <li>• Insurance Adjusters, Examiners, and Investigators</li> <li>• Claims Adjusters, Examiners, and Investigators</li> <li>• Actuaries</li> <li>• Personal Financial Advisors</li> <li>• Risk Management Specialists</li> </ul>
<b>Pneumatics</b>	STEM Career Cluster  Science and Math Career Pathway	<ul style="list-style-type: none"> <li>• Robotics Maintenance Technician</li> <li>• Petroleum Engineer</li> <li>• Heavy Equipment Operator</li> </ul>
<b>Research &amp; Development</b>	STEM Career Cluster  Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Automotive Engineer</li> <li>• Mechanical Engineers</li> <li>• Graphic Artists</li> <li>• Safety Engineer</li> </ul>
<b>Robotics</b>	STEM Career Cluster  Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Software Programmer</li> <li>• Robotics Technician</li> <li>• Robotics Engineer</li> <li>• Mechanical Engineers</li> <li>• Electrical Engineers</li> <li>• Mechanical Engineering Technologist</li> </ul>

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<b>Structural Engineering</b>	STEM Career Cluster Engineering and Technology Career Pathway	<ul style="list-style-type: none"> <li>• Architect</li> <li>• Civil Engineer</li> <li>• Chemical Engineer</li> <li>• Surveyor</li> <li>• Building Inspector</li> <li>• General Contractor</li> <li>• Construction Carpenter</li> </ul>
<b>Video Production</b>	Arts, A/V Technology & Communications Career Cluster A/V Technology & Film Career Pathway	<ul style="list-style-type: none"> <li>• Producer</li> <li>• Director</li> <li>• Camera Operator</li> <li>• Video Editor</li> <li>• Broadcast Engineer</li> <li>• News Anchor</li> <li>• Audio Technician</li> </ul>
<b>Video Production v2</b>	Arts, A/V Technology & Communications Career Cluster A/V Technology & Film Career Pathway	<ul style="list-style-type: none"> <li>• Producer</li> <li>• Director - Stage, Motion Pictures, Television, and Radio</li> <li>• Camera Operator, Television, Video, and Motion Picture</li> <li>• Film and Video Editor</li> <li>• Audio and Video Equipment Technicians</li> <li>• Sound Engineering Technicians</li> <li>• Poets, Lyricists and Creative Writers</li> <li>• Broadcast News Analysts</li> </ul>
<b>Virtual Architecture</b>	Architecture & Construction Career Cluster Design/Pre-construction Career Pathway	<ul style="list-style-type: none"> <li>• Architect</li> <li>• Architectural Drafter</li> <li>• Interior Designer</li> <li>• Landscape Architects</li> <li>• General Contractor</li> <li>• Mechanical Engineers</li> </ul>
<b>Welding Basics</b>	Manufacturing Career Cluster Production Career Pathway	<ul style="list-style-type: none"> <li>• Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders</li> <li>• Welders, Cutters, Solderers, and Brazers</li> <li>• Sheet Metal Workers</li> <li>• Structural Metal Fabricators and Fitters</li> <li>• Maintenance and Repair Workers, General</li> <li>• Plumbers, Pipefitters, and Steamfitters</li> <li>• Structural Iron and Steel Workers</li> </ul>
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