

Manufacturing Cluster

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.

Sample Career Specialties/Occupations	 Assemblers Automated Manufacturing Technicians Bookbinders Calibration Technicians Electrical Installers and Repairers Electromechanical Equipment Assemblers Extruding and Drawing Machine Setters/Set-Up Operators Extrusion Machine Operators Foundry Workers Grinding, Lapping, and Buffing Machine Operators Hoist and Winch Operators Hoist and Winch Operators Instrument Makers Large Printing Press Machine Setters and Set-Up Operators Machine Operators Machine Operators Managers, Supervisors Medical Appliance Makers Milling Machine Setters, Set- Up Operators Milling Machine Setters, Set- Up Operators Medical Appliance Makers Milling Machine Operations Painters Pattern & Model Makers Precision Layout Workers Precision Optical Goods Workers Production Associates Sheet Metal Workers Tool and Die Makers Welders 	 Design Engineers Electrical and Electronic Technicians and Technologists Electronics Engineers Engineering and Related Technicians and Technologists Engineering Technicians Industrial Engineers Labor Relations Managers Manufacturing Engineers Manufacturing Technicians Power Generating and Reactor Plant Operators Precision Inspectors, Testers, and Graders Process Improvement Technicians Purchasing Agents Supervisors 	 Biomedical Equipment Technicians Boilermakers Communication System Installers/Repairers Computer Installers/Repairers Computer Maintenance Technicians Electrical Equipment Installers/Repairers Facility Electronic Installers/Repairers Industrial Electronic Installers/Repairers Industrial Facilities Managers Industrial Machinery Mechanics Industrial Maintenance Electricians Industrial Maintenance Mechanics Industrial Maintenance Technicians Instrument Calibration and Repairers Instrument Control Technicians Job/Fixture Designers Laser Systems Technicians Maintenance Repairers Milwrights Plumbers, Pipe Fitters and Steam Fitters Security System Installers/Repairers 	 Calibration Technicians Inspectors Lab Technicians Process Control Technicians Quality Control Technicians Quality Engineers SPC Coordinators 	 Communications, Transportation and Utilities Managers Dispatchers Freight, Stock, and Material Movers Industrial Truck and Tractor Operators Logistical Engineers Logisticians Material Associates Material Handlers Material Movers Process Improvement Technicians Quality Control Technicians Traffic, Shipping, and Receiving Clerks 	 Environmental Engineers Environmental Specialists Health and Safety Representatives Safety Coordinators Safety Engineers Safety Team Leaders Safety Technicians
Path ways	Production	Manufacturing Production Process Development	Maintenance, Installation & Repair	Quality Assurance	Logistics & Inventory Control	Health, Safety and Environmental Assurance
Cluster K & S	Cluster Knowledge and Skills Academic Foundations Communications Problem Solving and Critical Thinking Information Technology Applications Systems Safety, Health and Environmental Leadership and Teamwork Ethics and Legal Responsibilities Employability and Career Development Technical Skills					