



HEALTH, SAFETY & ENVIRONMENTAL ASSURANCE Pathway

The Health, Safety and Environmental Assurance Pathway includes occupations in which professionals maintain the safety of manufacturing workplaces and products. These individuals conduct health and safety inspections, teach employees safe working practices, design programs to prevent disease or injury to workers and damage to the environment.

These careers are for individuals who enjoy focusing on safety and health and putting people first.

EXAMPLE CAREERS

Safety Coordinator / Industrial Safety & Health Technician
Health & Safety Engineer / Health & Regulatory Inspector
Environmental Engineer / Health & Safety Representative



LOGISTICS & INVENTORY CONTROL

Pathway

Professionals in the Logistics & Inventory Control Pathway are responsible for keeping raw materials and finished products moving in and out of manufacturing facilities. They oversee the receipt, delivery and monitoring of raw materials and finished products.

Professionals in these careers need to be detail oriented and comfortable working with data. They should be familiar with computer and technical procedures and vocabulary, but may be provided some on-the-job training regarding specific job requirements.

EXAMPLE CAREERS

Freight, Stock & Material Mover / Logician / Dispatcher
Material Handler / Industrial Truck & Tractor Operator
Process Improvement Technician / Traffic Manager



MAINTENANCE, INSTALLATION & REPAIR Pathway

Professionals with careers in maintenance, installation & repair perform routine maintenance procedures on machinery and technical equipment to ensure production processes run smoothly. They also troubleshoot and repair electrical, electronic and mechanical systems.

These careers are for people who are interested in hands-on inspecting, troubleshooting and repairing.

EXAMPLE CAREERS

Laser System Technician / Maintenance Mechanic / Millwright
Industrial Maintenance Electrician / Biomedical Equipment
Technician / Telecommunications Systems Technician



MANUFACTURING PRODUCTION PROCESS DEVELOPMENT Pathway

Employees in manufacturing production process development are responsible for designing the goods produced and designing the manufacturing process used to produce them. They work with customers to ensure the manufacturing process produces a product which meets or exceeds expectations.

There are a variety of careers in the manufacturing production process development pathway, allowing individuals to develop, plan and manage the production of systems, processes, machines, tools and equipment.

EXAMPLE CAREERS

Design Engineer / Tester & Grader / Industrial Engineer
Labor Relations Manager / Process Improvement Technician
Precision Inspector / Manufacturing Engineer



PRODUCTION Pathway

Individuals in the Production Pathway maintain the machinery necessary to perform specialized tasks, make sure products are produced on time, ensure goods and services are produced efficiently and ensure health and safety guidelines are followed.

Professionals in this pathway should have knowledge of design techniques, tools and principles involved in the production of precision technical plans, blueprints, drawings and modules.

EXAMPLE CAREERS

Machinist / Precision Layout Worker / Woodworker / Welder
Painter / Metalworker / Manufacturing Supervisor / Etcher
Production Helper / Chemical Equipment Operator



QUALITY ASSURANCE Pathway

Employees in the Quality Assurance Pathway assure standards and procedures are followed, and delivered products or services meet all requirements.

Professionals working in this pathway must have high technical capacity, as well as strong problem solving, analysis and decision-making skills.

EXAMPLE CAREERS

Calibration Technician / Lab Technician / Inspector Quality
Control Technician / Statistical Process / Quality Engineer
Control Coordinator