

CAREER FUNNEL (Least preferred)

Jobs in the manufacturing career cluster involve 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.

Career Pathways in Manufacturing

A career pathway is an area of concentration within a career cluster. Each pathway contains a group of careers requiring similar academic and technical skills as well as similar industry certifications or postsecondary education. The manufacturing career cluster has four pathways: precision metal production, precision technology processes, electromechanical installation and maintenance; and production, design, operations, and maintenance.

- **Precision Metal Production:** This field includes a variety of metalworking jobs.
- **Precision Technology Processes:** In this pathway, computers and computer-aided systems are used to design, create, and assemble detailed, high-quality products.
- **Electromechanical Installation and Maintenance:** This field includes all jobs involved with installing, maintaining, and repairing devices that use electricity, from cellular phones to nuclear power generators.
- **Production Design, Operations, and Maintenance:** This pathway includes all of the tasks required to set up and run a manufacturing plant.