



APPRENTICESHIP PROGRAM

Advanced Manufacturing Design Technology / Injection Molding Machine Tender

PROGRAM OUTCOMES:

Provides students with the skills you need for a career as a mold maker, tool and die maker. Our program provides you with the opportunity to learn on state-of-the-art equipment and in courses created with insight from industry leaders, ensuring you are learning the latest industry standards and trends.

PROGRAM LENGTH:

Years: 1

Certificate hours: 250

A probationary period of 90 days

RELATED TECHNICAL INSTRUCTION (RTI):

Plastics Engineering Technology Certificate

ON-THE-JOB INSTRUCTION COMPETENCIES:

- Measure and visually inspect products for surface and dimension defects to ensure conformance to specifications, using precision measuring instruments.
- Select coolants and lubricants and start their flow.
- Observe meters and gauges to verify and record temperatures, pressures, and press-cycle times.
- Apply lubricants or coolants to workpieces.
- Perform maintenance work such as cleaning and oiling machines.
- Select and install blades, tools, or other attachments for each operation.



JOB FUNCTIONS:

- Load materials into production equipment.
- Replace worn equipment components.
- Maintain inventories of materials, equipment, or products.
- Place materials into molds.
- Build production molds.
- Skim impurities from molten metal.
- Mount attachments or tools onto production equipment.

SKILLS:

Mathematics, Critical Thinking, Communication, Hand-Eye coordination, Detail-Oriented, Safety, Adaptability, Computer software

