

# Advanced Manufacturing – Career Pathways Map



Assembler, Material Handler, Machine Operator/Techn (\$13-15/hour)

- **CPT101:**
  - Soft Skills
  - Behavior Based Safety
  - Quality
  - Shop Math
  - Digital Literacy
- **CPT102:**
  - Manufacturing Process
  - Maintenance Awareness
- **Material Handling:**
  - Forklift Driver
  - Inventory Control
- **Adult Basic Education:**
  - GED
  - NCRC
- Experience/Education Requirements - High School/GED



Machine Operator/Tech, Quality Tech, Welders (\$15-18/hour)

- Read Blueprints and Schematics
- Quality Control Analysis
- Equipment Operation and Control
- Maintenance Repair and Troubleshooting
- Welding
- Inspection/Report Writing
- Experience/Education Requirements - High School/GED, technical certificate and/or experience



Tool & Die, Maintenance (\$18-26/hour)

- **Industrial Maintenance**
  - Complex Trouble Shooting
  - Mechanical Competencies
  - Electrical Competencies
  - PLC Programming
- **Machining**
  - CNC/Lathe
  - Robotics
- Experience/Education Requirements - 2-yr degree, technical certificate and/or experience



Engineers, Information Technology, Leadership (\$25-33/hour)

- Operations, Analysis
- Financial Analysis
- Supervisory Skills
- Complex Problem Solving
- Technical Competencies
- Decision Making
- Experience/Education Requirements - Bachelor Degree and/or experience



## Core Objectives:

**Impact Policy Change**  
within organizations and State/Federal Government

**Engage Partners** – active businesses who are passionate about manufacturing and closing the skills gap

**Portable Certificates**  
(CPT, NCRC, AWS)

**Resolve Barriers**  
Student Teams, Placement Agencies, Transportation solutions, Pathway Navigator

**Marketing**  
working with parents, schools and partners to let people know manufacturing is SEXY!!