MACHINING CAREER PATHWAY

### PRODUCTION TECHNICIAN
- **Salary:** $37,662
- **Program:** Short-term Certification Pre-Apprenticeship at Community College Certificate/Tech Centers
- **Entry-Level:** High School Diploma
- **Job Requirements:**
  - Foundational employability skills
  - Basic math
  - Basic computer skills
  - Written and verbal communication skills
  - Safety awareness
  - Drug free

### MACHINE OPERATOR
- **Salary:** $39,834
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements:**
  - Demonstrates use of machine safety and PPE
  - Inspect materials and parts
  - Maintain milling/turning equipment
  - Operates presses, grinders, hones

### MACHINIST 1
- **Salary:** $41,128
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Basic geometry and trigonometry
  - Ability to machine parts from blueprints (manual & CNC)
  - Basic math
  - Written and verbal communication skills
  - Safety awareness
  - Drug free

### MACHINIST 2
- **Salary:** $53,482
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Advanced trigonometry
  - Interpret all types of blueprints
  - Manual: Execute machining of parts, set appropriate feeds and speeds
  - Make complex setups using optimal settings for efficiency
  - CNC: G-Code & smart machining processes

### TEAM LEAD
- **Salary:** $53,482
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Leadership
  - Communication skills
  - Machining Skills listed in previous job operations
  - Foundational employability skills
  - Written communication skills

### ENGINEERING TECHNOLOGIST
- **Salary:** $61,809
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Write programs to meet specifications of blueprints, job orders
  - Determine sequence of machine operations and appropriate machine tools
  - Provide written and verbal instructions for machine operators

### CNC PROGRAMMER
- **Salary:** $59,882
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Interpreting engineering drawings
  - Plan workflow, oversee production process

### MACHINE SHOP SUPERVISOR
- **Salary:** $70,087
- **Program:** One-Year Technical Certification, Apprenticeship and/or Extensive Work Experience
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Company competencies
  - Leadership skills
  - Communication skills
  - Previously listed/learned skills

### MANUFACTURING ENGINEER
- **Salary:** $86,326
- **Program:** Bachelors Degree
- **Entry-Level:** High School Diploma
- **Job Requirements include:**
  - Advanced technical understanding of manufacturing processes
  - Provide technical expertise to machining staff
  - Troubleshoot and investigate production problems and errors
  - Continuous improvement methodology to machining processes

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