

## Competency List

### Work Readiness

- Maintain safe and clean work area
- Maintain tools and equipment
- Demonstrate personal characteristics for career success
- Effective interpersonal communication

### Safe Practices

- Safe material handling practices
- Safe tool handling
- Safe machine operations
- Proper use of PPE and first aid response
- Protect against fire and electrical hazards

### Shop Math

- Mathematical operations - fractions, decimals
- Trigonometry
- Interpret charts and graphs

### Benchwork

- Identify proper tools used for finishing
- Tool identification
- Proper tool use

### Shop Plan Reading and Interpretation

- Understand blueprints - lines, symbols, dimensions
- Interpret views and projections
- Applied math - circles, fractions, angles

### Machine Operations

- Job planning
- Speeds and feeds - chart reading
- Holding and cutting tools
- Lathe and mill operations



**Measurement and Inspection**

- Select proper tools
- Proper measuring technique
- Follow inspection plan
- Dimensioning and tolerances

**Reading and Problem Solving**

- Following instructions
- Integrate information from multiple sources
- Interpret questions

