

Basic Conversational Lathe: Utilizing Mazatrol: 40 hours:

- Conversational programming compared to G – Code programming
- Machine tool and its parts
- Cartesian Coordinate system and how it pertains to a lathe
- Control panel
- Handle and jog buttons
- Machine startup and shutdown
- Zero return
- Tool data
- Tool eye
- Teach Z zero
- Program structure
- Common process
- Programming Units
- Edge face
- Bar out
- Groove
- Thread
- Tap
- Drill
- Copy
- Corner
- End unit

Students write a program, setup tools, and machine a part