

**Basic Conversational Mill: 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 machining center
- Program zero
- Control panel
- Handle and jog buttons
- Machine startup and shutdown
- Zero return
- Tool data
- Tool file
- Tool setting cycle
- Program structure
- Common process
- WPC unit
- End unit
- Programming units
- Face milling
- Point machining
- Drilling
- Counter bore machining
- Arbitrary shapes
- Slots
- Step
- Pockets
- Pocket mountain

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