

***PRECISION  
MANUFACTURING***



Preparing students today for tomorrow's careers is our mission

# PRECISION MANUFACTURING

The Precision Manufacturing program is a hands-on training program that teaches the operation of manual and Computer Numerical Control (CNC) machines. This course teaches students how to operate industry-standard machinery used to shape metals for aerospace, energy generation and robotics companies. Students will be taught how to replicate precision parts from blueprints while utilizing precise measurement tools and gauges. CAD/CAM computer applications will be among some of the skills that will be taught.

## Precision Manufacturing I 600 hours

### Precision Manufacturing (PM) - Manual I 400 hours

- ▶ Foundation in precision manufacturing principals and basics
- ▶ Industrial safety, blueprint reading, precision measurement and shop math
- ▶ Work with industry standard full size mills, lathes, drill press and grinding machines
- ▶ Make components for engines and other close tolerance applications

### Precision Manufacturing (PM) - Computer Numerical Control (CNC) I 200 hours

- ▶ Machine processes, machining, theory, and application
- ▶ CNC standard machine operation and setup
- ▶ Manual data input of G-Code machine language
- ▶ Statistical process control

## Campus Details

West-MEC Central Campus  
6997 N. Glen Harbor Boulevard  
Glendale, AZ 85307

- 📞 623.738.0046
- ✉ [adulsted@west-mec.edu](mailto:adulsted@west-mec.edu)

## Course Details

Monday-Thursday  
6:45PM-9:45PM

### Tuition and Fees:

- ▶ Precision Manufacturing: \$5,500.00
- ▶ PM - Manual: \$3,650.00
- ▶ PM - CNC: \$1,900.00

## How to Register

Visit [west-mec.edu/findyourhappy](http://west-mec.edu/findyourhappy) for information on registration.