

Precision Machine Technology

Teaches the ability to use machines and measuring tools to produce parts and products for today's industry. These products and parts are made from steel, aluminum and plastic materials

What We Do :

- Learn to read prints
- Use precision measuring tools
- Work on “real machines” in a machine shop lab
- Make parts and projects that you keep
- Earn an OSHA safety card
- Earn industry credentials



Wythe County Technology Center

1505 West Spiller Street
Wytheville, VA 24382
276-228-5481

<http://wctc.wythe.k12.va.us/Welcome.php>

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WCTC

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**Precision Machining Technology I (8539) -
Grade level: 11, 12 Credit: 2.5
Prerequisites: Algebra I or equivalent**

In this course students are introduced to precision measurement and machine tools. Safety, efficiency, and a positive work attitude are also emphasized. Machines and machine tools taught include saws, grinders, drill presses, engine lathes and milling machines. Students will be required to earn a 10 hour OSHA approved safety card through Career Safe. Student must be 16 years of age by September 1 of the current school year to meet Department of Labor guidelines.

**Precision Machining Technology II (8540)
Grade level: 12 Credit: 2.5
Prerequisites: Precision Machining Technology I**

The advanced level of Precision Machining Technology II will help develop skills learned in Precision Machining Technology I. They learn how to plan, prepare and execute the manufacture of more complex parts and assemblies. In the second semester a company is formed and each student plays an important part in the manufacture of a group project. The students are also introduced to basic CNC machining. Students have the opportunity to receive Industry Certification through NOCTI.

MAC 101, Machine Shop Operations is offered at WCTC as an optional dual credit class in conjunction with WCC provided applicable prerequisites are met.

PMT II: - Dual Enrollment

MAC 101 Machine Shop Operations (8 cr.) –

Introduces bench work, sawing, drilling, lathe, milling, grinding, precision instruments, and safety. Requires solutions of related problems and preparation of weekly laboratory reports.

Get a head start on a career by gaining knowledge in a field of study before going to college.

Careers could include:

- **Machine Tool Operator**
- **Maintenance Machinist**
- **Production Machinist**
- **Tool and Die Maker**
- **CNC Programmer**
- **CNC Set-up and Operator**
- **Manual Machinist**

