

# Maintenance

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## MNT 110

### **Fundamentals of Maintenance [RE] • 7.0 Credits**

Formerly AGET 110, MNT 110

Introduces skills and knowledge required by all service technicians including: precision measurement, environmental and safety regulation compliance; safety and personal protection equipment, fastener identification; hand and power tool identification, use and safety; lifting and blocking, torque wrench use; tapping, threading and thread inserts. Students demonstrate the ability to follow written instruction, complete business forms, and perform basic math skills. Includes a review of the student rights and responsibilities. \$11.40 lab fee. **Prerequisite:**

**Completion of RDG 99 and ENGL 99 both with a 0.7 or better, and either MATH 50 with a 2.0 or better or a grade of 0.7 or better in a higher math class, or appropriate placement.**

## MNT 111

### **Intro to Machine Operations [RE] • 7.0 Credits**

Formerly MNT 111, MOP 111

This course is designed to give students skills using measuring instruments and the concepts of machining with a metal lathe.

## MNT 210

### **Hydraulic and Pneumatic Systems [RE] • 7.0 Credits**

Formerly AGET 210, MNT 210

This course is designed to teach the systems operation and the testing, adjusting, maintenance, and repair procedures for pneumatic and hydraulic systems including load sensing pressure compensated systems, electro-hydraulic systems, and hydrostatic systems. Students identify system components and discuss their operation and application. Students identify different systems, trace the flow through the systems, and state the systems operation and application. Students use onboard diagnostic systems, T adapter kits, digital volt/ohm meters, flow meters, pressure gauges, and manufacturer specific tools to diagnose hydraulic and pneumatic system malfunctions. \$11.40 lab fee.