

## Fall 2010 Workforce Development Professional Skills Courses



### Measurement Techniques

6 weeks, 16 hours, \$125

(MCHN 1042 – Machine Shop Mathematics)

This course focuses on the selection and use of precision measurement tools in industrial settings. Emphasis will be placed on measurement techniques using metric and inch micrometers, dial calipers, and other precision devices. Topics include: common methods of measurement conversion; determining the degree of precision measurement required; and converting English numbers to metric numbers, and metric to English.

*Kilgore Campus:*

**KC479599.300 101Q** Tues., Aug. 24  
6:30-9:30 p.m., AC

### Printreading for Industry

8 weeks, 24 hours, \$175

(DFTG 1023 – Blueprint Reading for Specific Industries)

This course is a study of industrial blueprints with emphasis placed on terminology, symbols, graphic descriptions, procedures, and industry standards. Emphasis will be placed on interpretation of plans and drawings used by various industries. **Textbook required.**

*Kilgore Campus:*

**KC479572.304101Q** Tues., Oct 12  
6:30-9:30 p.m., AC

### Shop Math

8 weeks, 24 hours, \$175

(MCHN 1042 – Machine Shop Mathematics)

This course covers applied mathematics required for the machine trades occupation. Topics include measurement, whole numbers, mixed numbers, fractions, decimals, and selected algebra, geometry, and trigonometry applications used in machine shop employment. Emphasis will be placed on defining the use of formulas and identifying conversion methods of numbering systems. **Textbook required.**

*Kilgore Campus:*

**KC479579.301 101Q** Weds., Oct. 13  
6:30-9:30 p.m., AC

## Machine and Metal Trades

### Machine and Lathe Fundamentals

16 weeks, 64 hours, \$475

(MCHN 1038 – Basic Machine Shop I)

This course focuses on machine shop theory and terminology, shop math applications, basic bench work and part layout using a variety of common measuring tools, engine lathe components, cutting speeds, basic lathe set up, metal removing operations such as turning, facing, drilling, grooving, and turning on center, threading, and machine maintenance. Emphasis will be placed on shop safety, housekeeping and preventive maintenance.

**Textbook required.**

*Kilgore Campus:*

**KC479591.300 101Q** Mon., Aug. 23  
6:00-10:00 p.m., AC MS