

Summer 2011

Improve your workplace skills by enrolling today.

Industrial Electrical Technology Certificate

INDUSTRIAL ELECTRICITY

6 weeks, 36 hours, \$275

Kilgore Campus: KC 800110.303 104Q

Bert E. Woodruff Adult Education Center

July 11 through August 17

Monday & Wednesday / 6:30 p.m. -- 9:30 p.m.

This course covers the theory and application of electrical energy. Topics include AC and DC theory, voltage, current, resistance, power, electrical values for series, parallel and combination circuits, electrical generation, transmission, and distribution and switching. **Textbook required.**

ELECTRICAL CONTROL WIRING

4 weeks, 24 hours, \$225

Kilgore Campus: KC 477036.304 104Q

Bert E. Woodruff Adult Education Center

July 5 through 28

Tuesday & Thursday / 6:30 p.m. -- 9:30 p.m.

This course covers the general principles of electrical controls and their components in the electrical power and air conditioning industries. Topics include reading electrical schematics; identifying industrial switches and pilot devices; and reviewing NEC. **Textbook required.**

*Kilgore College courses leading to an **INDUSTRIAL ELECTRICAL TECHNOLOGY CERTIFICATE** can prepare students for advancement in their workplace. Students completing all ten courses will receive a 356-hour Industrial Electric Certificate. Check the KC Website for descriptions of the Industrial Electrical Technology Certificate courses.*

Industrial Skills

MEASUREMENT TECHNIQUES

4 weeks, 16 hours, \$125

Kilgore Campus: KC 479582.304 104Q

Bert E. Woodruff Adult Education Center

July 5 through July 28

Tuesday & Thursday / 6:30 p.m. -- 8:30 p.m.

This course focuses on 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. **Textbook required.**

SHOP MATH

4 weeks, 24 hours, \$175

Kilgore Campus: KC 479588.305 104Q

Bert E. Woodruff Adult Education Center

July 11 through August 3

Monday & Wednesday / 6:30 p.m. -- 9:30 p.m.

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.**

KC Scholarships Grants are available for workplace skills upgrades.

ON-SITE TRAINING IS AVAILABLE FOR THESE COURSES AT YOUR PLACE OF BUSINESS.

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www.kilgore.edu/workforce