MASSONRY TOOLS & EQUIPMENT
Course Syllabus

Course Number: ARCO-0658
OCAS Code: None
Course Length: 30 Hours
Career Cluster: Architecture & Construction
Career Pathway: Construction
Career Major(s): Masonry

Pre-requisite(s): This course is an introduction to the hand and power tools and equipment used mixing mortar, cutting, laying, and finishing masonry work. It also covers the safe use of mortar mixers and masonry saws.

Textbooks:
- Brick and Block Masonry by Curriculum and Instructional Materials Center, Oklahoma Department of Career Tech (1999)
- Fundamentals of Bricklaying by Curriculum and Instructional Materials Center, Oklahoma Department of Career Tech (1999)

Course Objectives:

A. Identify and Safely Use Tools and Equipment Associated with Masonry Work.
   1. Identify and name the tools used in performing masonry work.1 2
   2. Identify and name the equipment used in performing masonry work.1 2
   3. Describe how each tool is used.2
   4. Describe how the equipment is used.2
   5. Describe how each tool is safely used and maintained.1
   6. Describe how the equipment is safely used and maintained.1
   7. Associate trade terms with the appropriate tools and equipment.1 2
   8. Demonstrate the correct procedures for assembling and disassembling scaffolding according to federal safety regulations, under the supervision of a competent person.1 2

   1 ODCTE objective
   2 NCCER objective

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
Grading Procedures:  
1. Students are graded on theory and shop practice and performance.  
2. Each course must be passed with seventy (70%) percent or better.  
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.  

Description of Classroom, Laboratories, and Equipment:  
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.  

Available Certifications/College Credit:  
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.  

College Credit Eligibility:  
The student must maintain a grade point average of 2.0 or better.