Course Number: ABM-0958  
OCAS Code: None  
Course Length: 90 Hours  
Career Cluster: Architecture & Construction  
Career Pathway: Construction  
Career Major(s): Masonry  

Pre-requisite(s):  

Course Description: This course is an introduction to a variety of specialized materials and techniques used in the masonry industry. Construction techniques include the factors for working in hot and cold weather conditions and the fabrication of various types of masonry sound barriers.

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. Understand Specialized Materials and Techniques.  
1. Explain the various techniques used to provide adequate protection during hot- or cold-weather masonry construction.  
2. Apply a working knowledge of all-weather construction techniques.  
3. Apply construction techniques for surface bonding mortar.  
4. Understand and apply techniques for construction of stone walls and other stone building surfaces.  
5. Understand and apply basic knowledge of various materials such as glass block, acid brick, and refractory brick.

1 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.
SPECIALIZED MATERIALS & TECHNIQUES

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.