Course Number: ARCO-0102   OHLAP Credit: No
OCAS Code: None
Course Length: 15 Hours
Career Cluster: Architecture and Construction
Career Pathway: Maintenance/Operations
Career Major(s): Maintenance/Repair Carpenter, Form Carpenter

Course Description: This is an introduction to the procedures in determining the appropriate thermal and moisture protection required to complete the project/job.

Textbooks:

Course Objectives:
A. Discuss And Demonstrate An Understanding Of Thermal And Moisture Protection.
   1. Describe the requirements for insulation.
   2. Describe the characteristics of various types of insulation material.
   3. Calculate the required amounts of insulation for a structure.
   4. Demonstrate the installation of selected insulation materials.
   5. Describe the requirements for moisture control and ventilation.
   6. Install selected vapor barriers.
   7. Describe various methods of waterproofing.
   8. Describe air infiltration control requirements.
   9. Install selected building wraps.

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.
THERMAL & MOISTURE PROTECTION

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.

This Course Found In These Career Majors