STAIRS
Course Syllabus

Course Number: ARCO-A0407          OHLAP Credit: No
OCAS Code: None
Course Length: 20 Hours
Career Cluster: Architecture and Construction
Career Pathway: Construction, Maintenance/Operations
Career Major(s): Structural Carpenter, Maintenance/Repair Carpenter

Pre-requisite(s):

Course Description: This course is an introduction to types of wooden stairs used in residential and commercial construction, layout procedures for stairs, cutting out stringers, installing, and finishing stairs.

Textbooks/Materials:

Course Objectives:

A. Develop An Understanding of Stairs And Materials.
   1. Identify the various types of stairs.  
   2. Identify the various parts of stairs.  
   3. Identify the materials used in the construction of stairs.  
   4. Understand the various terms and definitions relating to stairs.  

B. Demonstrate An Understanding Of Stair Construction.
   1. Interpret construction drawings of stairs.  
   2. Explain the methods of constructing various types of stairs.  
   3. Lay out and cut stringers.  
   4. Determine the number and sizes of risers and treads required for a stairway.  
   5. Build a small stair unit with a handrail.  
   6. Lay out a skirt board.  

1 Carpentry Competency Skills, National Center for Construction Education and Research (NCCER)

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.