## ELECTRICAL SAFETY IN CONSTRUCTION
### Course Syllabus

**Course Number:** CNST-0203  
**OHLAP Credit:** No  
**OCAS Code:** None  
**Course Length:** 15 Hours  
**Career Cluster:** Architecture and Construction  
**Career Pathway:** Construction  
**Career Major(s):** Commercial Electrician’s Assistant, Electrical Assistant, Entry Level

**Pre-requisite(s):**  

**Course Description:** Safety rules and regulations for electricians, precautions for electrical and mechanical hazards on the job, tool and equipment safety, first aid, CPR, blood borne pathogens, OSHA and NFPA mandated lockout/tag-out, personal protective equipment, right to know, and confined space entry procedures.

Instructor-created materials

**Course Objectives:**

**A. Practice Electrical Safety.**
1. Demonstrate safe working procedures in a construction environment.¹
2. Explain the purpose of OSHA and how it promotes safety on the job.¹
3. Identify electrical hazards and how to avoid or minimize them in the workplace.¹
4. Explain safety issues concerning lockout/tagout procedures, personal protection using assured grounding and isolation programs, confined space entry, respiratory protection, and fall protection systems.¹

**B. Understand Electrical Safety Procedures.**
1. Discuss hazardous of electricity.
2. Define terms related to electrical safety.
3. Discuss basic electrical safety practices.
4. Describe ground fault circuit interrupters.
5. Discuss the importance of a third wire and proper ground.
6. Perform lock out procedures.

¹NCCER objective  
All unmarked objectives are TTC instructor developed.

**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.
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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.