

Collin College - Continuing Education COURSE SYLLABUS

COURSE INFORMATION

Course Number: JRNY7895

Course Title: Electrician Pre-Apprenticeship Training

Course Description: Overview of basic electrician concepts, to prepare a student to enter a full electrician apprenticeship program.

Suggested Course Prerequisite(s): n/a

Course Resources: n/a

Student Learning Outcomes:

Understand basic elements of circuits, conductors, installation, bending and proper wiring per the National Electrical Code (NEC)

Certification Notes:

Next course recommendation: n/a

Refund Policy: Please refer to www.collin.edu/ce/infoRegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

1. Orientation/Contractor Guest/State Laws& License
2. Job information/Electrical terms
3. Tools/Guest tool vendor/Intro to blueprints
4. Conductors, cables/Strip & splice activity
5. Box ID activity
6. Fitting ID activity
7. Hardware & anchor ID activity
8. Review/ID activity for all parts
9. Read tape measure/Tape measure activity/Intro to bending
10. Bending activity-90
11. Intro to meters/Bending activity-back to back
12. Q&A/Bending activity-offset

13. Intro to NEC/Devices/Install device activity
14. Knockout options/1-pole switch/1-pole switch activity
15. Wire numbers & colors/3-way switch/3-way switch activity
16. Review/Final activity