

Collin College - Continuing Education COURSE SYLLABUS

COURSE INFORMATION

Course Number: TRDE 7890

Course Title: Commercial Industrial Wiring

Course Description: This class covers wiring knowledge and skills required for wiring in commercial locations. Class will cover conduit and flexible cable installation and use, motors and motor controls, transformers, hazardous locations, and wire selection. Three phase power will be covered as well as selection of proper electrical components.

Suggested Course Prerequisite(s): Basic electrical wiring.

Course Resources: None

Student Learning Outcomes:

1. Learn proper materials for commercial environments
2. Learn to recognize hazardous environments
3. Learn motor basics
4. Learn transformer basics
5. Learn three phase power and multi-wire circuits

Certification Notes: None

Next course recommendation: None

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.

Lesson Plan – by week or session:

Session 1: Three Phase Power

Multi-wire circuits

Session 2: Commercial materials

Materials lab – EMT Conduit

Session 3: Transformers

Materials lab – MC Cable

Session 4: Motors

Raceways and boxes

Session 5: Commercial Conductor Sizing

Special Occupancies

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.