

## **Course Syllabus:**

This 4-hour Power Point course with discussion about electrical conductor uses, properties, and correction factors in conjunction with the 2023 NEC requirements for a code compliant installation. Topics will cover parallel conductors, conductor sizing and ratings including some in-class calculations. Presentation will include grounding and bonding sizing based on overcurrent protection devices.

## **Course content and time spent:**

Conductors in Parallel and more than 3 current carrying conductors in a raceway .75-hour  
Underground raceways and cables with discussion of damp and wet location conductor temperature ratings 1-hour  
Coffee Break .25 hour  
Conductor definitions, termination temperatures, and conductor identification markings, .75-hour  
Conductor Adjustment Factors for temperature, conductor fill, and in-class practice calculations, .75-hour  
Requirements for flexible cords and cables based on NEC Article 400, .5-hour