

Commercial Wiring I

Course Information

Developers: Electrical State Curriculum Committee

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KBOR Facilitators: Rita Johnson/ Shirley Antes/ Connie Beene/ Steve Larrick

Business & Industry Liaison: Steve Reed – KASA, Scott Haldiman – Faith Technologies

Credit Hours: 4

Description: An introductory course on commercial wiring methods that includes practical applications and hands-on experience in implementing code requirements.

Course Competencies:

Students will be able to:

1. Identify various types of feeder/branch circuit wiring methods
2. Perform conduit bending
3. Identify and perform conductor installation
4. Calculate raceway and box fill per NEC
5. Identify components of distribution equipment
6. Identify the NEC requirements for grounding and bonding
7. Perform service calculations per NEC
8. Apply NFPA 70 E requirements