

Residential Wiring I

Course Information

Developers: Electrical State Curriculum Committee

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Development Date: 05/03/2013

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 residential wiring methods that includes practical applications and hands-on experience in implementing code requirements.

Course Competencies:

Students will be able to:

1. Identify and install required branch circuits per NEC
2. Install and calculate residential services per NEC
3. Identify and install various types of luminaries
4. Describe branch circuit requirements for appliances per NEC
5. Identify and install various types of switches and receptacles per NEC
6. Identify the NEC requirements for grounding and bonding
7. Identify and install over current/short circuit and ground fault protection