

Residential Wiring I

Course Information

Developers: Electrical State Curriculum Committee

Dave Mullins, Hutchinson Community College; John Pendergrass, Hutchinson Community College; Charlie Randazzo, Johnson County Community College; James Byrnes, Johnson County Community College; Richard Fort, Johnson County Community College; Clayton Tatro, Washburn Institute of Technology; Shawn Kincaid, Washburn Institute of Technology; Rob Loftin, Northwest Kansas Technical College; Brenda Chatfield, Northwest Kansas Technical College; Corey Isbell, North Central Kansas Technical College; Seth Flavin, North Central Kansas Technical College; Lucas Hunziger, Highland Community College; Duane Code, Highland Community College; George Crump, Kansas City Kansas Community College; Marlon Thornburg, Coffeyville Community College; Tom Kuhn, Coffeyville Community College; and Stephani Jones-Hines, Salina Area Technical College.

Course reaffirmed Date: 12/12/2017

KBOR Facilitators: April Henry, Charmine Chambers, Susan Hancock

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:

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

**Course was originally developed in May of 2013. In December of 2017, faculty reaffirmed the course description and competencies.*