Course Outcome Summary
Standard Course

ELEC115 Residential Wiring

Course Information

Division ASET
Contact Hours 30
Total Credits 1

Prerequisites RDG 090 or qualifying score on accepted placement test

Course Description

Students will learn the proper procedures and skills to handle all aspects of residential house wiring. Circuits covered will start with the Utility meter box all the way through to individual duplex outlets. Breaker panels, add on sub panels, 240 v and 120v circuits, GFCI and AFCI circuits along with CAT5 communication wiring and install techniques will be covered. Proper tool usage and wiring techniques will also be covered.

Course Outcomes

Each student will be able to demonstrate/practice:

1. Install utility service entrance meter box and cabling.
2. Install breaker panel box and balance load.
3. Layout multiple residential circuits.
4. Install various lighting and power switching circuits. (the 3-way switch circuit)
5. Install GFCI and AFCI circuits.
6. Add on a panel sub box and circuits
7. Install a ceiling fan.
8. Install outdoor wiring circuits.
9. Install CAT5 cable and connectors for home communication networks.

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By: Mark G Locher Sr

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