



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

Updated 10/11/2019