

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: EEL 1112

Course Name: Electrical Wiring Shop

CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- EEL 1112 is a three-part test that includes three hands-on tests—all of which are weighted equally.

PART I NON-METALLIC SHEATH CABLE HANDS-ON TEST:

- Terminate and splice conductors.
- Wire circuits consisting of split duplex receptacles and single pole switch.
- Wire circuits using non-metallic sheathed cable.
- Draw electrical wiring diagrams for given circuits.
- Draw electrical circuits using blueprint symbols.
- Troubleshoot electrical circuits.

PART II METAL CLAD CABLE HANDS-ON TEST:

- Terminate and splice conductors.
- Wire circuits consisting of duplex receptacles, three-way switches, and four-way switch.
- Wire circuits consisting of ground fault circuit interrupter receptacles.
- Wire circuits using metal clad cable.
- Draw electrical wiring diagrams for given circuits.
- Draw electrical circuits using blueprint symbols.
- Troubleshoot electrical circuits.

PART III CONDUIT BENDING HANDS-ON TEST:

- Bend 1/2" electrical metallic tubing.