



Electrical Techniques

Dual Credits: two high school credits and three college courses

Electrical Theory/Residential – TNN4T (College Course: ELE100/110)

This course introduces students to safety, nomenclature, tools and basic electrical theory. Learners will study basic magnetism, electron theory, and simple circuits. The relationships between voltage, amperage, resistance; work, power, and energy will be covered extensively. Learners will also be able to solve electrical equations using Ohm's and Kirchoff's Laws.

Electrical Practical – TNO4T (College Course: ELE120)

The learners will be introduced to the electrical practical environment where they will learn and demonstrate the safe operation and use of trade tools and equipment. Learners will demonstrate installation procedures for wiring methods including residential switching, outlets, cabling and conduits.

Note:

- Tuition, materials and transportation fees will be covered through the Dual Credit program.
- All students are expected to attend an orientation session prior to taking part in any Dual Credit program.
- Students will be contacted by the SCWI Program Assistant, at least one week prior to the start of the program, to be provided with a date, time and location for each orientation session.
- Delivery: Spring 2024. Location: Commerce Court Campus.