

**Electrical Technology  
Internship Learning Objectives**

Student Intern: \_\_\_\_\_ Internship Site: \_\_\_\_\_

**Working with your supervisor, choose from the following learning objectives OR submit others, which are specific to the position or internship assignment:**

- Wire a single pole, three-way and four-way switch in residential and commercial applications.
- Answer questions using the National Electrical Code pertaining to residential, commercial or industrial applications.
- Install basic wiring and grounding systems for residential, commercial or industrial applications.
- Install the following: push button, selector switch, limit switch, float switch, flow switch, contact block, control relay, contactor, timing relays, motor starters, and overload relays.
- Work with basic types of AC and DC motors and transformers.
- Install conduit systems according to the NEC.
- Install residential wiring systems, including service, branch circuits, and low voltage systems.
- Define the following terms to your supervisor: ampere, conductivity, conductor, electron, insulator, ohm, resistance, power, volts, inductance, capacitance, frequency, sine wave, apparent power, true power, and kVA.
- Solve series, parallel, and combination circuits.
- Use basic metering equipment (volt meter, ammeter and ohm meter).
- Make basic calculations using ohms law.
- Identify basic electrical parts and materials
- Read wiring diagrams and blueprints.
- Other: \_\_\_\_\_.

**To receive Credit at the end of the semester, I agree to submit the following:**

1. Final Summary Portfolio
  - Written overview (minimum of 2-3 pages typed) of your internship experience including challenges you faced and how you overcame them, results of your work, reaction to your performance from other team members, description of business relationships with co-workers, and how your work benefited the company.
  - Descriptions, samples and examples of the projects and tasks completed during your internship based on your list of learning objectives.
2. Supervisor Evaluation Form (provided to the supervisor by the Internship Coordinator).

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date