

AgriLife Classification Description

5029
ELECTRONICS TECHNICIAN II
11/01/01

SUMMARY

General Description: Installs, operates, maintains, and repairs a variety electronic equipment used for research, instructional, or plant operation activities and supervises other technician personnel in such duties.

DUTIES

Typical: Troubleshoots and repairs electronic currents; locates and replaces defective components and makes necessary adjustments and calibrations; tests suspect circuits, modules, and components, using oscilloscope and other instruments to diagnose defects; repairs faulty connections and adjusts, repairs, and replaces defective electronic, electromechanical, or mechanical components; performs preventative maintenance on various equipment; constructs, tests, and evaluates equipment and processes; maintains laboratory equipment and instructs students in the proper use of equipment; establishes and oversees standard operating procedures; performs research tasks; maintains adequate stocks; designs electronic circuitry; repairs and supervises repair of various electronic equipment; calibrates and commissions new instruments; selects, inspects, installs, and maintains miscellaneous electronic equipment; performs related duties as required.

SUPERVISION

Received: General instruction and periodic review from supervisor.

Given: Detailed initial instruction and frequent review to skilled and semi-skilled workers.

EDUCATION AND EXPERIENCE

Required: High school graduation or any equivalent combination of training and experience. Four years as an electronics technician.

Preferred: Completion of vocational electronics training or associate degree in electronics.

LICENSES, CERTIFICATES OR REGISTRATION

Required: None.

Preferred: Certified electronics technician.

EQUIPMENT

Typical: Use of test equipment, spectrum analyzers, digital voltmeters, oscilloscopes, radio test equipment, analog meters, signal generators, ammeters, voltmeters, and other digital instruments.

KNOWLEDGE, ABILITIES AND SKILLS

Typical: None.