

LABORATORY TECHNICIAN

Electronics

DEFINITION

Under direction, to maintain, repair and operate electronic devices and equipment in an instructional electronics laboratory; to receive, store, and issue supplies and equipment; and to do other work as required.

TYPICAL DUTIES

Maintains, adjusts, and repairs various types of electronic devices used in electronics laboratories; maintains and calibrates such equipment as oscilloscopes, analog meters, digital meters, signal generators; organizes electronics storeroom to provide orderly, efficient and safe storage of supplies and equipment; maintains records and perpetual inventory of all equipment and supplies ordered, received and issued; prepares materials and equipment for demonstrations as requested by instructors; may assist instructors in setting up equipment and related materials required for laboratory fabrication processes; assists in maintaining appropriate levels of materials and supplies; issues supplies, materials and equipment to students and maintains records of accountability; schedules and trains student assistants as needed; may maintain student time cards and records; performs related duties as assigned.

QUALIFICATIONS

EXPERIENCE

Two years of experience in repair, maintenance and testing of equipment incorporating electronic circuitry.

EDUCATION

AA degree in electronics or equivalent in industrial/military experience. Additional qualifying experience may be substituted on a year-for-year basis for the educational requirement.

SPECIAL REQUIREMENT

Any offer of employment will be contingent upon the successful completion of a medical evaluation.

KNOWLEDGE OF

Basic electronics theory and electrical practice; theory and operation of DC, AC, audio, video and digital test equipment; repair and calibration procedures for meters, power supplies, signal sources, frequency counters, oscilloscopes, recording equipment, television, remote control systems, communication systems, and associated accessories; inventory and storage operations and procedures; safety precautions to be observed in maintaining electrical equipment.

ABILITY TO (ESSENTIAL FUNCTIONS)

Perform the basic functions of the position; repair and maintain electronic equipment; read and interpret electrical and electronic schematic diagrams, estimate cost of repairs; keep records and make reports.

Physical and Environmental Factors: Stand and maneuver for long periods; bend at waist and knees; lift heavy objects with and without assistance (objects are sometimes elevated from the floor level to above the shoulders); reach, grasp, pull, push equipment across various types of surfaces; manipulate

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small objects; stoop and crouch; climb ladders; regularly work with or around hazardous materials (may include pesticides, degreasing cleansers, etc.); common exposure to allergens; occasionally work on slippery surfaces; come in contact with oil or grease; and/or work around loud noise.