

**ELECTRONIC TECHNOLOGIST I – DISTANCE EDUCATION LEARNING  
TECHNOLOGIES**

**2525**

**ELECTRONIC TECHNOLOGIST II – DISTANCE EDUCATION LEARNING  
TECHNOLOGIES**

**2526**

**ELECTRONIC TECHNOLOGIST III – DISTANCE EDUCATION LEARNING  
TECHNOLOGIES**

**2527**

**ELECTRONIC TECHNOLOGIST IV – DISTANCE EDUCATION LEARNING  
TECHNOLOGIES**

**2528**

**NATURE OF WORK**

This is skilled work in the installation, maintenance, and repair of broadcast type television, audio, film and other professional media production equipment.

Employees of this class perform or supervise activities in the design of systems and interface devices, and the evaluation, modification, installation, maintenance, diagnosis, repair, and calibration of a variety of equipment. Work also includes the providing of on-site technical support for major mobile television productions and community workshops, the ordering of supplies and parts, and the maintenance of various related reference materials. This series differentiates from that of the Production Technologist - Education Technology series by the primary responsibility for the installation, maintenance and repair of specialized equipment; however, there may be a requirement to perform set up and operation of equipment activities, as necessary. Supervision may be exercised over trainees and/or subordinate technical staff. Work assignments are received from a technical or administrative superior, and work is reviewed through inspection or discussion of results.

**ILLUSTRATIVE EXAMPLES OF WORK**

Inspects, tests, and evaluates electronic equipment; perform regular preventative maintenance.

Sets up, tunes, and operates microwave communications equipment and radio frequency transmitters.

Diagnoses faults in a variety of television, communications, and test equipment and repairs and calibrates such apparatus to the original manufacturers' specifications.

Installs, maintains and repairs specialized computer equipment such as tilers, editing controllers, and Data Prompters.

Designs and installs integrated television systems such as control room and editing suites.

Designs, diagnoses, and repairs complex systems of electronic production and monitoring equipment including distribution and timing of all audio, video and synchronization signals.

Performs critical alignment and repair of one inch broadcast videotape recording and editing equipment and time base correctors.

Designs and constructs electronic devices such as signal distribution panels and interface equipment.

Acts as a technical resource person in instructional workshops with faculty, representatives of external organizations, community groups, and the general public.

Participates in the interview and appointment of technical personnel; provides instruction to subordinates; prepares and maintains work schedules; evaluates performance of subordinates and equipment; performs other personnel management duties.

Operates, uses and maintains test equipment and tools related to the work and applies workshop methods, procedures and special techniques.

Maintains up-to-date technical and commercial information in ready reference for subordinates.

Maintains work area in a neat and orderly condition.

Performs related work as required.

## **REQUIREMENTS OF WORK**

The minimum requirement for entry into this series is experience in the installation, maintenance and repair of broadcast television equipment; graduation from high school supplemented by the successful completion of an approved programme in electronic technology; or any equivalent combination of experience and training which provides the following knowledge, abilities, and skills:

Knowledge of standard practices, methods and procedures used in the installation, maintenance and repair of television equipment.

Knowledge of the equipment currently used in television and communications in order to implement maintenance and calibration procedures.

Knowledge of the operation, maintenance, and repair of electronic test equipment and tools.

Knowledge of the hazards and safety precautions involved in the work.

Ability to work from schematic drawings, specifications, and oral or written instructions and to exercise judgement in determining the techniques and methods used.

Ability to establish and maintain effective working relationships with other faculty members, staff, supervisors, and field personnel.

At higher levels, an increasing degree of experience and training is required.

**2525-2528**

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