

**PRODUCTION TECHNOLOGIST I –  
DISTANCE EDUCATION LEARNING TECHNOLOGIES  
2515**

**PRODUCTION TECHNOLOGIST II –  
DISTANCE EDUCATION LEARNING TECHNOLOGIES  
2516**

**PRODUCTION TECHNOLOGIST III –  
DISTANCE EDUCATION LEARNING TECHNOLOGIES  
2517**

**PRODUCTION TECHNOLOGIST IV –  
DISTANCE EDUCATION LEARNING TECHNOLOGIES  
2518**

**NATURE OF WORK**

This is skilled work in the set up and operation of broadcast type television, audio, film, and other professional media production equipment.

Employees of this class perform or supervise activities in the design, implementation and operation of different configurations of television, lighting and audio equipment including film and television cameras, audio and video recorders, signal switching, mixing and processing units and editing facilities. Work involves responsibility for the technical quality of productions in university or remote locations requiring considerable creativity and aesthetic judgement as well as the ordering of supplies and parts and the maintenance of various related reference materials. This series differentiates from that of the Electronic Technologist - Educational Technology series by the primary responsibility for the set up and operation of television and related equipment; however, there may be a requirement to perform installation, maintenance and repair 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**

Operates audio and video equipment used in the studio, studio control room, videotape editing suites, videotape recording, dubbing and transfer facilities, and telecom installations.

Performs alignment, colour balancing, and gain and black level adjustments on broadcast type television cameras.

Uses wave form monitors, vector scopes, and other electronic test equipment to monitor levels and quality of audio and video signals and makes adjustments as necessary.

Sets up and operates mobile television and film production equipment including cameras, microphones, signal mixing, switching, and processing equipment, and audio and video recorders.

Discusses with Producer-Directors the analysis of the technical requirements of productions and the design of suitable equipment configurations to meet these requirements.

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

Designs complex multi-camera mobile production configurations and operates them to professional technical and aesthetic standards.

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.

Ensures the proper handling, shipping and care of delicate electronic production equipment.

Maintains work area in neat and orderly condition.

Performs related work as required.

## **REQUIREMENTS OF WORK**

The minimum requirement for entry into this series is experience in the set up and operation 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 set up, adjustment and operation of television equipment.

Knowledge of equipment currently used in television and communications.

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

Ability to make both objective technical and subjective aesthetic judgements in media production activities.

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

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

**2515-2518**

**1987.06.15**

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