

TECHNICIAN II

NATURE OF WORK

This is skilled supervisory and/or highly specialized work in the construction, installation, maintenance and repair of equipment, metal, and non-metal components and materials required for teaching, research, experimental or related activities.

This class includes positions which are responsible for the direction, operation and administration of an independent workshop or facility where immediate technical advice or assistance is not always available; or those which are responsible for a highly specialized function in a large central workshop and to oversee the work of others assisting in the performance of such specialized services. Employees of this class may also be required to operate related technical equipment and systems. Technicians at this level perform a variety of skilled and complex work whereby advanced experience in the area is an absolute requirement. Work is carried out under the direction of a Department Head, a technical administrative official, faculty member or researcher but requires the exercise of considerable independent judgement and initiative. Work is reviewed through conferences, inspections, and observation of results obtained.

ILLUSTRATIVE EXAMPLES OF WORK

Supervises and trains subordinates in the methods of standardized procedures and special techniques used in the construction, installation, maintenance and repair of mechanical, electrical, electromechanical, and glass or related apparatus, equipment and materials for which responsible. Conducts the more advanced and complex design, application, installation, modifications, repair and calibration work.

Coordinates the work of the shop with that of the assigned area to achieve maximum results; assesses workshop effectiveness and recommends changes and improvements; prepares and maintains work schedules; evaluates performance of subordinates and recommends personnel action; performs other personnel management functions.

Participates in established staff training and development programmes; provides on the job training to technicians, apprentices and students; assesses training techniques and effectiveness and develops and recommends changes and improvements.

Confers with Department Heads, faculty members, research staff and students to clarify instructional or research requirements; advises on feasibility of projected construction.

Prepares rough and finished sketches from oral instructions; adapts and modifies sketches and blueprints.

Prepares estimates for projected jobs; maintains cost records on work completed.

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

Requisitions materials, supplies, and tools: makes recommendations for equipment.

Performs related work as required.

REQUIREMENTS OF WORK

Considerable experience as a journeyman including experience in the area of specialization and for some positions supervisory experience; graduation from high school supplemented by successful completion of an approved apprenticeship or training programme in the field of assignment; or any equivalent combination of experience and training which provides the following knowledge, abilities and skills:

Considerable knowledge of the tools, equipment, materials, methods and practices in the field of assignment.

Considerable knowledge of the maintenance and repair of shop tools and equipment.

Considerable knowledge of the hazards and safety precautions involved in the work.

Knowledge of the effective methods of supervision and instruction as applied to the work of trained technicians, apprentices and students in a work shop or teaching laboratory.

Knowledge or sources of information of developments in equipment, techniques, and materials.

Ability to plan, layout, schedule and supervise the work of subordinate technicians.

Ability to supervise the preparation of reports and maintenance of records concerning the work.

Ability to work from oral conversations, pencil sketches and blueprints.

Ability to establish and maintain effective working relationships with faculty, research personnel, students and subordinates.

Skill in the use of standard shop tools and equipment.

Possession of a journeyman certificate or equivalent issued by the province of Newfoundland and Labrador where applicable.

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