

MEDICAL TECHNOLOGIST I**NATURE OF WORK**

This is specialized technical work participating in the instruction of medical students and/or in the performance of complex laboratory tests for teaching and research purposes.

This class includes positions which provide technical assistance to medical students in the execution of laboratory exercises; or those which require research and the application of advance knowledge of the theories and principles of laboratory technology. Employees of this class work with relative technical independence and are responsible to a supervisory technologist or to professionals in the area of discipline. Work performance is reviewed through discussions, reports, and observations of results obtained.

ILLUSTRATIVE EXAMPLES OF WORK

Performs highly specialized laboratory tests and procedures for teaching and research purposes involving a high degree of specialization in a specific area, such as histology, haematology, bacteriology, or chemistry.

Assists and advises faculty members in the technical phases of laboratory exercises; assists in the preparation of laboratory experiments, and in the technical instruction of students.

Examines culture media for growth, isolation and identification of micro-organisms; fixes, processes, stains, examines, and classifies specimens.

Ensures adequate amount of supplies, equipment, and reagents are available; maintains records and prepares reports; operates and performs routine maintenance on a variety of laboratory equipment.

Keeps abreast of the latest techniques, materials, and equipment of laboratory technology.

Performs related work as required.

REQUIREMENTS OF WORK

Experience in a medical or life science laboratory; graduation from high school supplemented by completion of an approved course in laboratory techniques and qualifying for registration; or any equivalent combination of experience and training which provides the following knowledge, abilities and skills:

Knowledge of the methods, materials, and techniques of laboratory technology.

Knowledge of the basic principles of chemistry, serology, bacteriology, haematology, parasitology, and histology as related to laboratory technology.

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

Knowledge of the literature and of current developments in the field of laboratory technology.

Ability to perform assigned tasks according to prescribed procedures, and to make accurate observations of test results.

Ability to work harmoniously with students, faculty, and staff.

Skill in the use of laboratory equipment and in the performance of required tests and examinations.

Eyesight sufficiently strong to permit extended microscopic work, and with normal colour perception.

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