

Class Concept

This is technical work performing a variety of bench procedures in a medical technology science, or performing a variety of procedures in several work areas that aid in the diagnosis of disease and treatment of patients and animals. Depending on the work setting, employees may be required to perform test procedures in a variety of technological areas or concentrate in a more complex area with in-depth procedures. Some positions may perform more sophisticated tests and be responsible for quality control, these same positions may serve as lead workers managing the work within the assigned work area. These positions are located throughout state agencies and universities. Work is differentiated from the Medical Laboratory Technician level by the variety and/or complexity of procedures; application of medical laboratory theoretical knowledge; the independence and judgment exercised in performing and interpreting tests and determining the significance of tests results; and making recommendations for further laboratory studies. Positions are expected to monitor pathophysiological processes on an on-going basis to provide clinical interface. Direction is usually provided by a laboratory supervisor or facility administrator.

Recruitment Standards

Knowledge, Skills, and Abilities

- Basic knowledge of the pathophysiological processes being monitored and how the medical laboratory science is applied
- Intermediate knowledge of laboratory equipment, instrumentation, and terminology
- Intermediate knowledge of the variety of laboratory procedures applicable to the area(s) of work
- Thorough knowledge of the field of medical technology
- Thorough knowledge of the hazards of working with potentially infectious materials and the appropriate safety precautions to avoid infections
- Ability to perceive colors normally
- Ability to maintain, calibrate and troubleshoot equipment
- Ability to interpret abnormal results
- Ability to prepare various laboratory media
- Ability to research and develop procedures and methods and ability to implement necessary changes
- Ability to establish and maintain effective working relationships

Minimum Education and Experience

Bachelor's degree in medical technology, chemistry, or a biological science from an appropriately accredited institution; or

Associate degree in medical technology from an appropriately accredited institution and two years of experience in a medical laboratory; or

Completion of a Certified Laboratory Assistant course in medical technology or a comparable course and three years of experience in a medical laboratory; or an equivalent combination of education and experience.