

MEDICAL TECHNOLOGIST

DISTINGUISHING FEATURES OF THE CLASS: The work involves performing bacteriologic, mycobacteriologic, mycologic, parasitic, and microscopic tests within the Public Health Laboratory to assist in providing data for use in the treatment and diagnosis of disease. The work is carried out under general supervision. Supervision may be exercised over subordinate technical employees of the Laboratory. A Medical Technologist does related work as required.

TYPICAL WORK ACTIVITIES:

- Collects and receives specimens, primarily from human sources, for processing according to accepted methods and procedures;
- Studies growth, structure, development, and general characteristics of bacteria and other micro-organisms;
- Sets up cultures for the isolation and identification of bacteria and other micro-organisms;
- Identifies micro-organisms by microscopic examination of physiological, morphological, and cultural characteristics;
- Maintains records and reports related to the work;
- May assist or participate in other areas of laboratory testing or analysis as necessary.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL

CHARACTERISTICS: Good knowledge of current laboratory procedures, terminology, and equipment used in a bacteriology laboratory; good knowledge of bacteriology; ability to independently perform more difficult procedures; ability to analyze and interpret data; ability to perform work with care and accuracy; ability to exercise safety precautions in handling equipment and specimens; ability to prepare reports; ability to follow oral and written instructions; initiative; resourcefulness; dependability; good judgement; a willingness to be available to perform work at times other than normal working hours as the occasion may demand; physical condition sufficient to perform the essential functions of the position.

MINIMUM QUALIFICATIONS:

Meet one of the qualifications of a medical technologist as prescribed within Section 58-1.5 of the State Health Department's Administrative Rules and set forth here:

Qualifications of the medical technologist: A medical technologist must meet one of the following requirements:

- 1) Successful completion of a full course of study which meets all academic requirements for a bachelor's degree in medical technology from an accredited college or university.
- 2) Successful completion of three academic years of study (a minimum of 90 semester hours or equivalent) in an accredited college or university which met the specific requirements for entrance into, and the successful completion of a course of training of at least 12 months in a school of medical technology approved by the Council on Medical Education of the American Medical Association.
- 3) Successful completion in an accredited college or university of a course of study which meets all academic requirements for a bachelor's degree in one of the chemical, physical or biological sciences and, in addition, at least one year of pertinent laboratory experience and/or training covering the specialty(ies) or subspecialty(ies) in which he performs tests, provided the combination has given the individual the equivalent in such specialty(ies) or subspecialty(ies) of the education and training described in paragraph (1) or (2) of this subdivision.

- 4) Successful completion of three years (90 semester hours or equivalent) in an accredited college or university with a distribution of courses as shown below, and, in addition, successful experience and/or training covering several fields of medical laboratory work of such length (not less than one year), and of such quality that this experience or training, when combined with the education, will have provided the individual with education and training in medical technology equivalent to that described in paragraph (1) or (2) of this subdivision. Distribution of coursework: (Where semester hours are stated, it is understood that the equivalent in quarter hours is equally acceptable. The specified courses must have included lecture and laboratory work. Survey courses are not acceptable.)
 - i) for those whose training was completed prior to September 15, 1963: At least 24 semester hours in chemistry and biology courses of which not less than nine semester hours must have been chemistry and must have included at least six semester hours in inorganic chemistry, and not less than 12 semester hours must have been in biology courses pertinent to medical sciences;
 - ii) for those whose training was completed after September 15, 1963: 16 semester hours in chemistry courses, which included at least six semester hours in inorganic chemistry and are acceptable toward a major in chemistry; 16 semester hours in biology courses which are pertinent to the medical sciences and are acceptable toward a major in the biological sciences; and three semester hours of mathematics.
- 5) With respect to individuals first qualifying prior to April 1, 1972, an exception to the requirements in paragraphs (1), (2), (3), or (4) of this subdivision may be made if:
 - i) the technologist was performing the duties of a medical technologist at any time between July 1, 1961 and September 1, 1971;
 - ii) the technologist has had at least 10 years of pertinent clinical laboratory experience prior to September 1, 1971: provided, that a minimum of 30 semester hours credit toward a bachelor's degree from an accredited institution with a chemical, physical, or a biological science as his major subject; or 30 semester hours in an approved school of medical technology shall reduce the required years of experience by two years, with any additional hours further reducing the required years of experience at the rate of 15 hours for one year; and
 - iii) he has performed the duties of a clinical laboratory technologist for at least two years during the qualifying 10 years:
 - a) in a clinical laboratory having a director at the doctoral level, of a hospital, university, health department or medical research institution; or
 - b) in a laboratory approved under the supplementary medical insurance program: Provided also, that where qualifying years in a laboratory described in clause (a) of this subparagraph are obtained after January 30, 1969, the laboratory meets applicable conditions under the Federal health insurance program, or under title 42, Code of Federal Regulations, part 74 the latter being the regulations issued pursuant to the Federal Clinical Laboratories Improvement Act of 1967.

CATTARAUGUS COUNTY CIVIL SERVICE COMMISSION

Adopted: September 21, 2000