

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES ▼
HUMAN RESOURCES ENTERPRISE
MEDICAL TECHNOLOGIST

DEFINITION

Performs routine to highly complex chemical, bacteriologic, hematologic and other tests and examinations used in the diagnosis, care, and treatment of patients; performs related work as required.

The Work Examples and Competencies listed are for illustrative purposes only and not intended to be the primary basis for position classification decisions.

WORK EXAMPLES

Carries out special chemical analysis procedures as requested by medical staff; performs uric acid, glucose, bilirubin, amylase, cholesterol, calcium determinations and other chemical analysis as requested.

Performs routine hematological and serological determinations such as white cell counts, hemoglobin, platelet, reticulocyte, and sedimentation rates.

Performs routine chemical and bacteriological examinations of urine, sputum, bile, abscess and throat cultures, and stool samples for various kinds of determinations.

Monitors test analysis and specimen examinations to ensure acceptable levels of analytic performance are maintained; observes performance of instrument maintenance and function checks; maintains high quality control in work.

Organizes work in a laboratory; assumes responsibility for maintenance, sterilization, and sanitation of equipment and environment; sets work schedules as required.

Attends professional and staff meetings; maintains records; writes and reviews reports as required.

Conducts, when required, electrocardiographic, electroencephalographic and radiologic examinations.

COMPETENCIES REQUIRED

Knowledge of current laboratory principles and techniques.

Knowledge of the principles of chemistry, physics, hematology, urinalysis, serology, bacteriology and/or related laboratory specialties.

Knowledge of current literature and developments in medical laboratory techniques and equipment.

Knowledge of X-ray techniques and equipment if required.

Knowledge of electrocardiographic and electroencephalographic techniques and equipment if required.

Knowledge of quality control requirements used in a medical laboratory.

Knowledge of chemical, hazardous energy and biological hazards such as hepatitis and AIDS as well as other blood borne pathogens.

Ability to conduct laboratory work independently in organizing, analyzing and evaluating tests.

Ability to work with precision, utilizing dexterity in making fine, coordinated movements.

Displays high standards of ethical conduct. Exhibits honesty and integrity. Refrains from theft-related, dishonest or unethical behavior.

Works and communicates with internal and external clients and customers to meet their needs in a polite, courteous, and cooperative manner. Committed to quality service.

Displays a high level of initiative, effort and commitment towards completing assignments efficiently. Works with minimal supervision. Demonstrates responsible behavior and attention to detail.

Responds appropriately to supervision. Follows policy and cooperates with supervisors.

Aligns behavior with the needs, priorities and goals of the organization.

Encourages and facilitates cooperation, pride, trust, and group identity. Fosters commitment and team spirit.

Expresses information to individuals or groups effectively, taking into account the audience and nature of the information. Listens to others and responds appropriately.

EDUCATION, EXPERIENCE, AND SPECIAL REQUIREMENTS

Applicants must meet federal government employment regulations as published in the Federal Register 42 CFR 493.1489. A summary of these include the following:

An Associates Arts degree from an accredited college or university with major course work in laboratory science or medical technology;

OR

sixty semester hours of post high school course work from an accredited college or university that includes a minimum of 24 semester hours in medical laboratory technology and completion of a clinical laboratory training program approved by the U.S. Department of Health and Human Services;

OR

post high school course work from an accredited college or university that includes 6 semester hours of chemistry, 6 semester hours of biology and an additional 12 semester hours of chemistry, biology, or medical laboratory technology and completion of a clinical laboratory training program approved by the U.S. Department of Health and Human Services.

NOTE:

Applicants must be sure to list applicable course work and training on their application.

Effective Date: 10/06 SH