

Laboratory Scientist II

DEFINITION

This is advanced professional level work directing a research program in the field of laboratory science.

Employees of this class coordinate a specialized research program involving quantitative and/or qualitative scientific analysis. The work involves ensuring that proper procedures are used in developing, implementing and evaluating new tests and programs. Incumbents are expected to function as a departmental expert in research and problem analysis and to respond to related inquiries. Considerable judgement and initiative is used when developing or overseeing non-standard tests, and may require employees to determine and use highly innovative and creative procedures. The nature of work may require preparation of reports and presentation to senior management.

Supervision is normally exercised over subordinate professionals and other technical or project staff. The work is performed under broad supervision and is subject to general review while in progress or upon completion for compliance with scientific practices and standards.

The difference between this class and a Laboratory Scientist I is the use of advanced skills and knowledge, the program responsibility and the supervision exercised over other professionals.

TYPICAL DUTIES*

Supervises and directs the work of other professionals and technical or other project staff involved in a research program; plans, assigns and reviews non-standard tests and procedures; assists in prioritization of research projects and related scientific analysis.

Coordinates and carries out special studies and projects; ensures the proper and safe development, implementation and evaluation of new and established research tests and procedures; conducts major research.

Assists in administrative and budgetary process of research laboratory operations; develops and maintains research materials based on current literature and trends; provides advice and information, acts as area research expert.

Ensures proper research in accordance with existing and/or current regulations and requirements; advises subordinates and superiors; ensures completion and submission of required research reports and statistics; maintains appropriate records and files.

Recommends proper use of research equipment and materials, including modification and need for new equipment or different materials; operates equipment, as required; ensures safe handling of potentially hazardous materials, equipment, chemicals and other reagents and substances.

Performs related work as required.

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KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of scientific laboratory techniques and researching methodology, including the theory, principles and practices of chemical, biological and physical testing and analyses.

Considerable knowledge of current legislation and regulatory requirements, as required by the position assignment.

Considerable knowledge of the current literature, trends and developments in the area of work assigned.

Considerable knowledge and ability in the operation, maintenance and calibration of laboratory instrumentation and apparatus currently in use by the City or available on the market.

Ability to supervise and instruct professional, technical and other staff engaged in laboratory operations and activities.

Ability to express ideas effectively and efficiently orally and in writing with City and departmental staff, government officials, the general public and others.

Advanced skill in the operation and use of laboratory equipment involved in the research and analysis projects.

TRAINING AND EXPERIENCE REQUIREMENTS

Job Level

University graduation at a Master's level in Science or a related discipline with major course work applicable to the area of work assigned, a minimum of four (4) years' professional experience involving scientific analyses and research in a laboratory and including some supervisory experience.

** This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

Salary Plan	<u>21M</u>	<u>21A</u>	<u>21B</u>	<u>21C</u>
Job Code	0739		0740	
Last Updated:	1982-09			
Previous Updates:	1982-04			
Originated:	1982-02			