

Jurisdictional Class: Competitive
EEO Category: Professionals
Adopted: 04/05/2023

BIO-CHEMIST II

DISTINGUISHING FEATURES OF THE CLASS: This is a technical and scientific position involving analysis of physical, chemical, and biological characteristics of water. The employee performs advanced analyses related to potable and non-potable waters and can successfully troubleshoot and maintain instrumentation in the laboratory and in the field. Appropriate analytical technique, data interpretation, reporting, and documentation skills are required. The work is performed under general supervision of the designated department head or higher-level supervisor, in accordance with established policies and procedures. The incumbent performs related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

Assists in laboratory work to accomplish departmental goals, including physical, chemical, biological, and microbiological analyses;
Conducts special studies as directed to improve water quality;
Analyzes blind samples to maintain accreditation;
Performs a variety of water analysis activities to aid in maintaining compliance with NYS and Federal standards;
Assists in preparing reports and presenting results and information as directed;
Contributes to departmental activities by supporting initiatives as directed;
Prepares, maintains, and participates in development of technical records;
Confers with superiors and/or appropriate outside support on problems related to instrumentation and troubleshooting activities;
Works with appropriate staff to maintain safety standards and a safe work environment.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL

CHARACTERISTICS: Thorough knowledge of chemical and microbiological testing techniques related to the operation of a public water system; ability to complete accurate chemical and microbiological analyses of potable and non-potable water; good scientific skills and practices concerning the principles and practices of laboratory functions; ability to troubleshoot, maintain, and perform timely preventative and corrective maintenance on instrumentation in the lab or in the field; time management; ability to use and manipulate databases as required; ability to keep inventories, records, and logs; ability to maintain effective working relationships with other employees.

MINIMUM QUALIFICATIONS:

Possession of Bachelor's degree in biology, chemistry, or environmental sciences, including a minimum of sixteen (16) semester credit hours in chemistry, **AND** two (2) years of laboratory experience in an environmental or municipal water or wastewater laboratory.

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NOTES:

1. Degree(s) must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If the degree was awarded by an educational institution outside the United States and its territories, the candidate must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. Candidates will be required to pay the evaluation fee.
2. Possession of a Master's degree in one of the biological or environmental sciences may be substituted for one (1) year of experience.

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