

### Class Concept

This is first level supervisory, administrative and advanced professional work in directing a small to medium sized chemistry laboratory or section primarily engaged in standardized and relatively less complex testing operations for a variety of substances. Employees supervise, plan, direct, review and evaluate the work of subordinates; and develop and make minor adjustments and modifications to methods, procedures, schedules, assignments and project priorities. Employees are primarily supervisors but would normally spend a considerable portion of their time in performing or checking the more complex, controversial or advanced work of their laboratory; and would function as a technical expert in their specialty area including testifying in court or at hearings as a technical expert. Employees apply an advanced professional knowledge of chemistry principles, concepts, theories, methods, procedures and techniques to develop, conduct and oversee qualitative and quantitative chemical analyses on a variety of substances. Work may include determining the kind and extent of analysis required to solve a problem; evaluating new equipment and procedures; and selecting, arranging and modifying equipment, instrumentation and methods to plan and implement standardized testing operations. Generally, this level would not supervise chemists who are specialists, masters or the recognized expert in a specific field of chemistry, and who perform the most advanced and complex work in that field. Employees evaluate, interpret, select and apply guides and references from a wide variety of generally established methodology, procedure, and instrument manuals and usually have the authority to make moderate deviations, modifications and extensions to established procedures as necessary. Work may include other duties and responsibilities as assigned.

### Recruitment Standards

#### Knowledge, Skills, and Abilities

- Full knowledge of the principles, concepts, theories, reference sources and laboratory applications of chemistry and other related sciences.
- Considerable knowledge of the laws, regulations agency policies governing area of responsibility. Working knowledge of scientific methodology and of laboratory safety practices.
- Ability to supervise and evaluate the work of chemists and chemistry technicians.
- Ability to independently perform and record complex standardized and non-standardized laboratory tests and procedures.
- Ability to analyze results, interpret and develop methodology, understand and solve theoretical problems, and to provide training and instruction to others.
- Ability to review and express technical information clearly both orally and in writing.
- Ability to perform advanced mathematics and statistical analysis, to perceive colors normally and to make olfactory distinctions.
- Ability to establish and maintain effective working relationships.

#### Minimum Education and Experience

Bachelor's degree in chemistry from an appropriately accredited institution and two years progressive chemistry laboratory experience; or an equivalent combination of education and directly related experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.