

CHEMIST III

NATURE OF WORK IN THIS CLASS:

This is complex professional laboratory work performing analyses and examinations of chemical substances and materials.

Employees in this class perform the full range of complex professional chemical and physical analyses duties, including independent work in specialized areas of the profession. Employees often serve as team or group leaders over less experienced professional staff.

ILLUSTRATIVE EXAMPLES OF WORK: (Any one position may not include all the duties listed, nor do the examples cover all duties which may be performed.)

Conducts chemical laboratory tests of chemically constructed and bonded materials utilizing a variety of equipment, instruments and techniques to determine adherence to specifications or suitability for consumption, use or exposure.

Conducts highly technical and complex chemical analyses requiring change in methods, new procedures, or unusual techniques to determine content of variety of items.

Conducts investigations and studies of new materials and new and more efficient methods; assists in designing new testing equipment.

Plans, organizes and leads laboratory work to ensure adequacy and accuracy of testing and achieve optimum use of instruments, equipment and techniques.

Conducts research projects, prepares technical reports of results and makes recommendations; monitors laboratory operations and activities making recommendations for improvements, economy and efficiency; maintains quality control; assists in establishing and implementing laboratory policy.

Assists in determining needs, preparing budget recommendations, and preparing purchasing requests.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of analytical, physical and organic chemistry.

Knowledge of chemical laboratory methods, equipment and materials.

Knowledge of biochemistry as related to work involved.

Ability to apply complex technical chemistry methods and techniques to difficult testing and analytic laboratory problems and arrive at adequate solutions.

Ability to lead the work of professional staff.

Ability to work effectively with the public and employees.

Ability to communicate effectively, orally and in writing.

Ability to maintain records and prepare reports.

Skill in the use and care of laboratory equipment.

MINIMUM EXPERIENCE AND TRAINING:

(A) Two years of professional chemical analysis experience and graduation from a recognized college or university with a Bachelor's degree in chemistry; or

(B) Any equivalent combination of experience and training beyond a Bachelor's degree which provides the minimum knowledge, abilities and skills.

ESTABLISHED: JULY 1980



DAVID R. FLORES, Executive Director
Civil Service Commission