

LABORATORY TECHNICIAN III

NATURE OF WORK IN THIS CLASS:

This is complex technical laboratory work involved in performing a variety of standardized laboratory tests, analyses, and related work, or coordinating laboratory equipment and facilities in college teaching laboratories.

Employees in this class perform complex technical laboratory duties, including independent work in specialized areas of the profession. Employees often serve as team or group leaders over less experienced technical 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.)

Performs difficult processing and analysis of various items.

Participates in sample collection including field sampling of invertebrates, filtering, separating, mounting, identifying, and culturing.

Performs difficult analysis of soils and plants, animals and human body fluids, fats, cells, proteins and tissues, invertebrates, foods, and other items.

Uses laboratory instruments and equipment of varying complexity including microscopes, balances, spectrographs, chromatographs, scintillation counters; moisture, pH, and other meters; computers, calculators, and other office machines and equipment; ovens and high altitude chambers; embalming and sampling equipment; and other equipment.

Schedules and supervises use of equipment, washing of glassware and other instruments and preparation of media, solutions, and other materials; consults with faculty, staff, and students to provide supportive service in research, teaching, and other projects; maintains storage areas and dispenses materials; maintains inventory, establishes supply levels and orders chemicals, equipment, and supplies.

Assists with budget preparation; and performs technical work in preparing laboratories for classes and assisting with research or study projects involving use of various equipment.

Prepares cultures including tissue cultures, reagents, and solutions; prepares specimens and slides.

Cleans and maintains laboratory and work areas; makes repairs to laboratory equipment.

Maintains records of tests, analyses, and results; prepares reports.

Assists in developing and executing research designs; may assist in designing and constructing equipment for various projects.

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May embalm specimens or preserve them by other methods, including latex injections.

Leads the work of laboratory personnel and others as assigned in laboratory and field sampling and other activities; participates in training of other lab technicians.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of materials, techniques, and procedures of a variety of standardized laboratory tests.

Technical knowledge of biological physical, or other sciences as applied to particular laboratory assignment.

Ability to perform difficult laboratory tests requiring some technical judgement in determining and using proper procedures and interpreting results.

Ability to coordinate use of laboratory facilities.

Ability to lead the work of others.

Ability to work effectively with the public and employees.

Ability to communicate effectively, orally and in writing.

Ability to maintain records and prepare reports.

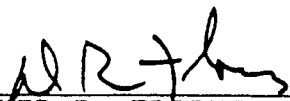
Skill in the use of laboratory instruments, equipment, and manipulative techniques appropriate to particular laboratory assignments.

MINIMUM EXPERIENCE AND TRAINING:

(A) Three years of experience in laboratory work, including two years of varied laboratory testing and analysis work, and successful completion of 22 semester hours in biology, chemistry or closely related sciences; or

(B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

Established: July 1980



DAVID R. FLORES, Executive Director,
Civil Service Commission