

CHIEF CRIMINALIST

NATURE OF WORK IN THIS CLASS:

This is professional and administrative forensic investigation work.

ILLUSTRATIVE EXAMPLES OF WORK: (These examples do not list all the duties which may be assigned; any one position may not include all the duties listed.)

Administers the programs and activities of the Forensic Investigation Division; executes the more complex and experimental procedures in criminal investigation and identification.

Supervises the maintenance and flow of laboratory records and reports; evaluates laboratory methods and procedures; standardizes new methods.

Determines when new developments can safely be used for greater efficiency and accuracy.

Performs independent and difficult research in connection with problems relating to laboratory procedures and techniques, represents laboratory unit at scientific meetings and conferences.

Supervises the requisitioning of supplies, materials and equipment.

Testifies as an expert witness concerning scientific facts as established in the analysis of evidence.

Supervises and participates in very complex field investigations at scenes of crimes and other pertinent locations.

Supervises the reconstruction of situations and physical evidence of a crime in the demonstration and proof of the connection of persons, instruments, or materials with the crime.

Dictates correspondence and prepares difficult and complex reports.

Performs very complex laboratory examinations in chemical, microscopic, spectrographic, x-ray diffraction, photographic, photomicrographic, tissue, and related analysis and procedures.

Designs new equipment and initiates new procedures to meet the technical evolution of criminal investigation and evidence analysis.

Qualifies and quantifies unknown substances by means of chemical, physical, and instrumental analysis such as gas or liquid chromatography, spectrography, chemical microscopy, and microscopic examination.

Page 2

CHIEF CRIMINALIST

Maintains training program for University interns, other Agency Contract Scientists, trainees from other agencies and islands.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the principles, methods, materials, equipment and techniques of criminalistics and investigation.

Knowledge of the principles of chemistry, physics, biochemistry, physiology, zoology, botany and photography as related to criminalistics.

Knowledge of the rules of evidence as they relate to the presentation of technical analysis of criminal evidence.

Knowledge of the specialities of criminal identification, current developments and trends in crime detection.

Knowledge of the handling and analysis of corrosive agents, explosives, contaminated and diseased evidence.

Knowledge of investigative techniques including ballistics, toxicology, comparative micrography, forensic chemistry, spectroscopy, diffractometry and stoichiometry.

Knowledge of law enforcement practices and procedures.

Ability to administer the programs and activities of the forensic investigations division.

Ability to train subordinates and others in performing related laboratory analysis work.

Ability to work effectively with the public and employees.

Ability to communicate effectively, orally and in writing.

Skill in the use of laboratory equipment for performing required tests and examination.

MINIMUM EXPERIENCE AND TRAINING:

a) Four years of experience in crime laboratory work and graduation from a recognized college or university with a Bachelor's degree in physics, chemistry, biology, police forensic science, or criminalistics; or

Page 3
CHIEF CRIMINALIST

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

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DAVID R. FLORES, Executive Director
Civil Service Commission