

NATURE OF WORK IN THIS CLASS:

This is technical work involved in the forensic analysis of firearms, ammunition and related evidence in criminal investigations related to firearms and gun crimes.

Employees in this class perform criminal laboratory work under direct supervision in the application of scientific principles and advanced forensic techniques on a variety of assignments including examinations of firearms and ammunition to determine functionality, operability, identification and microscopic comparisons of bullets and cartridge cases recovered from crime scenes.

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

Conducts routine examinations of firearms, ammunition and related materials recovered from crimes scenes to identify the make, model and other characteristics of firearms and to assess their functionality.

Provides assistance at crime scenes to obtain and document evidence such as firearms or gunshot residue from victims and/or suspects, under the supervision of a senior examiner; may attend autopsies.

Utilizes forensic tools, such as comparison microscopes, to examine fired bullets and cartridge cases for firearm markings, analyze tool marks, scratches and other distinguishing firearm characteristics.

Microscopically compares known fired evidence samples to evidential samples for purpose of identification or elimination of specific firearms used in criminal activities or to connect evidence to crime scenes.

Analyzes ballistic evidence to link firearms to specific crimes or suspects.

Examines and collect trace evidence including fingerprints, tool marks, DNA and fibers associated with firearms and gun crimes.

Applies chemical reagents to perform serial number restorations under the supervision of a senior examiner.

Assists with firearm test firings, shot pattern examinations, gunshot residue examinations, trajectory analysis, distance determinations and crime scene reconstructions, under the supervision of a senior examiner.

Transport and handles investigative evidence according to established protocols to maintain chain of custody, prevent contamination and ensure integrity of evidence.

Prepare exhibits, photographs and evidence for trial and court hearings

Provides expert testimony in court regarding examination findings and methodology of analysis of firearms and ballistic evidence.

Prepares detailed written reports documenting examination findings and conclusions of firearms and ballistic evidence.

Collaborates with law enforcement officers, forensic experts, prosecutors and other interested parties to ensure timely and accurate analysis of firearms related evidence in criminal investigations.

Adheres to standard operating procedures and safety protocols during evidence collection, examinations and laboratory analysis.

Participate in ongoing training and development to advance technological knowledge and skills in firearms examination as required.

Perform related duties as assigned.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of technical law enforcement terminology.

Knowledge of classification and identification of different types of firearms, ammunition components and firearm mechanisms.

Knowledge of the principles and techniques used in ballistic testing and analysis, including firearm markings on bullet and cartridge cases.

Knowledge of criminal law, evidence handling and investigative procedures related to firearms and ballistic evidence.

Knowledge of safety protocols, procedures and legal regulations for firearms analysis.

Ability to conduct thorough and accurate examinations of firearms, ammunition and ballistic materials.

Ability to apply scientific methods and critical thinking to solve forensic issues related to firearms, firearms identification, ballistics and forensic analysis.

Ability to learn and develop skills related to making comparisons of known fired evidence samples to evidential samples for purpose of identification or elimination.

Ability to apply the methods and procedures of evidence collection and preservation.

Ability to follow oral and written technical instructions, make accurate observations and work in a safe and prudent manner.

Ability to communicate effectively orally and in writing; and maintain records and prepare reports.

Ability to testify as an expert witness in court.

Ability to read, understand and follow departmental policies, rules, instructions, laws and ordinances, including the Guam Police Department's General Orders, Special Orders and Unit Directives.

Ability to establish and maintain effective working relationships with coworkers, police personnel, other forensic laboratories or law enforcement agencies, and the general public.

Skill in the use of forensic laboratory tools and equipment, such as comparison microscopes, bullet traps, cameras and other ballistic testing devices.

Skill in the safe operation of a motor vehicle.

MINIMUM EXPERIENCE AND TRAINING:

- A. One (1) year of experience in a forensic science laboratory performing firearm examinations and identifications, including the use of comparison microscopes and ballistic testing equipment and graduation from a recognized college or university with a bachelor's degree in forensic science, Criminal Justice, Physics, Chemistry, Biology, or closely related field; **or**
- B. Any equivalent combination of experience and training beyond a bachelor's degree which provides the minimum knowledge, abilities and skills.

NECESSARY SPECIAL QUALIFICATIONS:

- a. Must possess a valid Guam Driver's License.
- b. Must possess or be able to obtain a valid Guam firearm identification card within 30 days of employment.

- c. Must submit to fingerprinting and pass a background investigation.

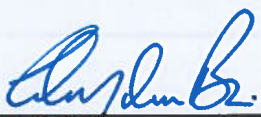
PREFERRED QUALIFICATIONS:

Completion of a recognized firearms examination and ballistics training programs (such as the National Firearms Examiners Academy (NFEA) or similar institutions) or specialized training or certification in firearms examination, ballistics analysis or forensic science is preferred.

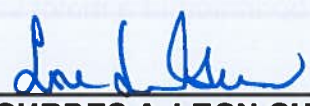
ESTABLISHED: **AUGUST 2026**

PAYGRADE: **L (GPP)**

HAY EVALUATION:	KNOW-HOW:	E I 1	175
	PROBLEM SOLVING:	D 3 (33%)	57
	ACCOUNTABILITY:	D 1 C	66
	TOTAL POINTS:		298



EDWARD M. BIRN
Director of Administration



LOURDES A. LEON GUERRERO
Governor of Guam