



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

TITLE: CRIMINALIST I - IV

DEFINITION: Under direction, performs increasingly difficult physical and chemical analyses in the scientific detection and investigation of crimes or maintains the quality assurance and safety program for the Long Beach Police Department Crime Laboratory. The Criminalist classification is subject to a one-year probationary period.

DISTINGUISHING CHARACTERISTICS:

Criminalist I Under immediate supervision, performs chemical and physical analyses of evidentiary materials; performs microscopic examinations; prepares written findings and displays for court presentation; examines crime scenes and collects, interprets and preserves physical evidence; testifies in court as an expert witness; and uses computers, special measuring, recording and testing instruments and devices.

Criminalist II Under general supervision, performs the journey level duties of the classification and provides training to new Criminalists; acts in a lead capacity; and assists in the preparation and revision of laboratory manuals.

Criminalist II requires a minimum of five (5) years as a Criminalist I or equivalent in an accredited laboratory.

Criminalist III Under general supervision, performs the most complex duties of the classification including the review of DNA related casework for adherence to written manuals and established best practices. Provides training to Criminalist I and IIs, researches new techniques and establishes validation criteria for equipment and procedures. Performs complex laboratory analyses on physical evidence, interprets analytical results, prepares written reports, and testifies as an expert witness in courts of law.

A Criminalist III requires a minimum of three (3) years of independent work as a Criminalist II or equivalent in an accredited DNA laboratory.

Criminalist IV Under minimal supervision, responsible for the implementation and operation of the quality management system and the safety program for the Crime Laboratory. The Criminalist IV is



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

responsible for ensuring compliance of all laboratory operations with the standards of accreditation under the ASCLD/LAB – International Program or equivalent. This position reports directly to the Forensic Science Administrator.

A Criminalist IV requires training, education and experience in quality assurance activities in an ASCLD/LAB – *International* accredited testing or calibration forensic laboratory or otherwise ISO 17025 accredited laboratory and a minimum of four (4) years of independent work as a Criminalist II or equivalent in an accredited laboratory.

EXAMPLES OF DUTIES:

- Performs chemical and physical analyses of evidentiary materials;
- Performs microscopic examinations;
- Prepares written findings and displays for court presentation;
- Examines crime scenes and collects, interprets, and preserves physical evidence;
- Testifies in court as an expert witness;
- Uses computers, special measuring, recording, and testing instruments and devices;
- Consults with fingerprint and handwriting experts, photographers, police officers, attorneys, and private experts;
- Operates, calibrates and performs maintenance on breath alcohol testing instruments;
- Instructs officers in the use of breath alcohol testing instruments;
- May act in a lead capacity and provide training to other Criminalists on new procedures, equipment, research, and/or best practices;
- May establish validation criteria for new procedures, methods and/or equipment;
- May examine and compare firearms, bullets, and cartridge cases;
- May prepare and revise laboratory technical procedures manual;
- May instruct a class on collection and preservation of evidence at the Police Academy;
- May make recommendations concerning the laboratory budget and policy;
- May review DNA related casework from Criminalist I and IIs;
- May monitor national best practice standards in the DNA science field;
- May resolve technical disagreements;
- May monitor and maintain control of documentation for the laboratory operations, quality manual, technical procedures, personnel testimony evaluations, case records, technical records, instrument calibration, maintenance records, training records, competency testing, quality assurance records and documentation related to the quality system;



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

- May monitor and ensure continued compliance with state laws, laboratory licensing requirements, external accreditation standards, the most recent ASCLD/LAB Policy on the Estimation of Uncertainty of Measurement, Measurement Traceability, Department policies, and Crime Laboratory operational standards and quality management system;
- May schedule and coordinate periodic management reviews;
- May assess the adequacy of technical and administrative review activities;
- May administer and evaluate proficiency testing;
- May initiate, manage, and coordinate investigation of technical issues, recommend corrective/preventive actions, conduct root cause analyses, and verify completion of corrective action plans;
- May schedule and conduct periodic internal quality system audits;
- May select, train, and evaluate internal auditors;
- May prepare the Crime Laboratory for external on-site assessments and audits;
- May assist with the management of grants;
- May recommend training and professional development to improve the quality of laboratory personnel activities;
- May assess safety issues and administer periodic safety inspections;
- Performs other duties as required.

MINIMUM REQUIREMENTS:

- Bachelors of Science degree in criminalistics, chemistry, physics, biological sciences or other related field from an accredited four-year college or university.
- Ability to pass a comprehensive personal and criminal background investigation.
- Ability to work evenings and weekends.
- A valid California motor vehicle operator license.

HISTORY:

Revision of Classification Specification - 12/01/67

Deletion of Grade Level III - 02/27/90

Addition of Grade Level III – 07/26/06

Revision of Classification Specification; deletion of Grade III – 01/03/07

Addition of Grade Level III and IV – 11/4/15

Approval/Adoption Dates: 01/03/07 - Human Resources Department

04/18/07 - Civil Service Commission