Class Concept:
This is professional forensic analysis work that requires the analysis of forensic evidence in a crime laboratory setting. Positions examine and analyze evidence for the most complex casework, make judgments and testify in court as necessary to explain and defend their findings. Positions operate with considerable technical independence and are recognized as experts in their respective disciplines of forensic science. Work includes reviewing the work of laboratory analysts and assistants; assisting in the training of new analysts; researching and evaluating new equipment, techniques and methods; and making recommendations on their adoption; conducting consultations and participating in pretrial conferences with prosecutors and defense attorneys; and training and advising agents and other law enforcement officers. Positions handle and document all evidence under stringent chain of custody rules, and work with issues and factors that are largely undefined and require extensive analysis and frequent development of approaches and techniques.

Recruitment Standards:

Knowledge, Skills, and Abilities:
- Thorough knowledge of the principles, concepts theories, reference sources and laboratory practices involved with the forensic examination of evidence.
- Thorough knowledge of criminal law and of the rules and regulations regarding evidence gathering and handling.
- Thorough knowledge of scientific methodology and of laboratory safety practices.
- Ability to perform and record complex standardized and non-standardized laboratory tests and procedures.
- Ability to analyze results, and interpret methodology and to understand and solve theoretical problems.
- Ability to express technical information clearly both orally and in writing when reporting results, testifying or explaining procedures to others.
- Ability to understand and follow complex oral and written instructions.
- Ability to perceive colors normally and make olfactory distinctions.
- Ability to establish and maintain effective working relationships.

Minimum Education and Experience:
Drug Chemistry/Toxicology - Bachelor's degree with a major in chemistry, toxicology, pharmaceutical science with chemistry concentration (organic, inorganic, analytical or physical), forensic science (with concentration in chemistry or toxicology), biochemistry, pharmacology or closely related curriculum from an appropriately accredited institution and four years of experience performing bench level analysis in drug chemistry / toxicology; or an equivalent combination of education and experience.

Latent Evidence - Bachelor's degree with a major in forensic science, biology, chemistry, biochemistry, physical science, criminal justice or closely related curriculum from an appropriately accredited institution and four years of experience performing bench level analysis in latent evidence; or an equivalent combination of education and experience.

Digital Evidence - Bachelor's degree with a major in computer science, digital forensics, networking, information technology, cyber technology, criminal justice; or forensic science or multi-media studies with coursework in computer science or information technology; or biology, chemistry, physics, biochemistry and other science degrees (if degree includes significant coursework in computer science or information technology); or closely related curriculum from an appropriately accredited institution including coursework in science; and four years of experience performing bench level analysis in digital evidence; or an equivalent combination of education and experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.

Necessary Special Requirement (Digital):
Must obtain individual certification consistent with international and ISO standards within eighteen months of the date the analyst becomes eligible to seek certification according to the standards of the certifying entity. Such vendor-neutral certifications may include:
Certified Computer Forensic Examiner (CFCE) – International Association of Computer Investigative Specialists, Certified Computer Examiner (CCE) – International Society of Forensic Computer Examiners Digital Forensics Certified Practitioner (DFCP) – Digital Forensics Certification Board (requires a minimum 5 years of verified experience prior to sitting for the exam), Global Information Assurance Certification Forensic Examiner (GCFE) – SANS Institute, Certified Video Technician (CFVT) – Law Enforcement & Emergency Service Video Association (requires a minimum of 3 years of verified experience prior to sitting for the exam), Certified Forensic Video Examiner (CFVE) – International Association for Identification (requires a minimum of 3-5 years of verified experience depending on applicant's education level)

Trace Evidence - Bachelor's degree with a major in chemistry, textile chemistry, physical science, forensic science with chemistry concentration (organic, inorganic, analytical, physical), biochemistry, forensic anthropology or closely related curriculum from an appropriately accredited institution and four years of experience performing bench level analysis in trace evidence; or an equivalent combination of education and experience.

Firearms & Tool Marks - Bachelor's degree with a major in forensic science, chemistry, biology, physical science (physics), mechanical engineering, criminal justice or closely related curriculum from an appropriately accredited institution and four years of experience performing bench level analysis in firearms and tool marks; or an equivalent combination of education and experience.

Forensic Biology - Bachelor's degree with a major in biology, microbiology, molecular biology, biochemistry, genetics, animal science, zoology, medical technology, forensic science with biology/DNA concentration, or closely related curriculum from an appropriately accredited institution including coursework in biochemistry, genetic, molecular biology, statistics and population genetics and four years of experience performing bench level analysis in forensic biology; or an equivalent combination of education and experience.

Necessary Special Requirement:
Must obtain individual certification consistent with international and ISO standards within eighteen months of the date the analyst becomes eligible to seek certification according to the standards of the certifying entity.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.