



DNA Analyst trainee, DNA Analyst I, or DNA Analyst II

Salary dependent on education, training, and experience

This professional scientific position applies the biological sciences to the investigation of crimes by performing laboratory analyses such as evidence screening, serology, and DNA analysis on physical evidence.

Essential Functions

- Participate in the structured training program in forensic biology in the classroom and on the job by learning evidence screening, DNA laboratory methods, protocols, and equipment
- Maintain knowledge of current technologies and protocols through reading of scientific literature and hands-on training by experienced laboratory personnel
- Perform preliminary evidence screening using serological analyses and microscopic examinations
- Perform DNA analysis/interpretation and summarize results in a scientific report
- Conduct technical reviews on scientific reports
- Prepare findings for court presentation and provide expert testimony
- Demonstrate continuous effort to improve operations, decrease turnaround times, streamline work processes, and work cooperatively with fellow scientists

Required Education and Experience

A minimum of a master's degree in biology, chemistry, or closely related forensic science field is required for applicants with no prior experience as a DNA analyst. Criminal justice degrees that do not include science coursework (lectures and lab work) are not considered to be forensic science-related degrees.

Applicants with two or more years of relevant experience as a qualified DNA analyst may be eligible for the DNA analyst I position with a minimum of a baccalaureate degree in biology, chemistry, or closely related forensic science field.

Must have successfully completed coursework (graduate or undergraduate level) covering the following subject areas: biochemistry, genetics, molecular biology, and statistics and/or population genetics.

Preferred Knowledge

- Principles and analytical procedures of molecular biology, genetics, and statistics
- Current applications of forensic science
- Instruments and equipment used in laboratory analyses of collected evidence
- Chemical and laboratory safety
- ISO/IEC 17025:2017 and ANAB AR 3125 Accreditation Requirements for Forensic Testing and Calibration Laboratories
- FBI Quality Assurance Standards and CODIS policies and procedures