

FORENSIC SCIENCE SCOPE AND SEQUENCE

Semester 1 (3 week units)

- Unit 1:** **Introduction to Forensics** (functions of a forensic scientist; approaching a crime scene; collecting evidence; etc.)
- Unit 2:** **Physical Evidence** (types of evidence and physical analysis; etc.)
- Unit 3:** **Glass and Soil** (fractures; stress marks; characteristics of soil; fluorescence; soil comparisons; etc.)
- Unit 4:** **Fingerprints** (ridge characteristics; loops; whorls; arches; AFIS; dusting; iodine fuming; reading prints; etc.)
- Unit 5:** **Hair and Fiber** (hair morphology; cuticle and medullary characteristics; hair comparison and ID; fibers; etc.)

Semester 2 (3 week units)

- Unit 6 / 7:** **Firearms / Ammunition and Ballistics Analysis** (types of firearms; caliber and gauge; firearm terminology; handgun diagrams; bullet analysis and comparison; effect on targets; GSR; serial numbers; etc.)
- Unit 8:** **Drugs and Paraphernalia** (dependence and abuse; types of drugs; laws and schedules; etc.)
- Unit 9:** **Chemical Analysis** (drug ID; chromatography; microcrystalline test; qualitative and instrumental analysis; etc.)
- Unit 10:** **Bodies and Autopsies** (ID and reconstruction; coroner; cause of death; vehicular accidents; autopsy reports; etc.)
- Unit 11:** **DNA and Typing** (DNA; forensic DNA testing; types of DNA; CODIS; matching and reading DNA tests; etc.)