

## Forensic Science BAPS Instructional Sequence

### *Fall Semester*

[Introduction to Forensic Science and Human Body](#): Students will demonstrate the ability to explain the history and philosophy of forensic science; to identify, collect, and preserve physical evidence; and construct the process of a crime scene investigation. Students will also demonstrate to ability to apply the principles of forensic pathology in determining the time of death of a victim and explain how data is obtained to identify skeletal remains.

[Trace Evidence](#): The student will demonstrate to ability to collect, preserve, identify, and trace evidence which may include human and/or animal hair, textile fibers and/or fabric, rope, feathers, soil, glass, building materials, and the like. **(This unit is applied in the Spring Semester.)**

[Identification of Human Evidence](#): Students will demonstrate the ability to identify, collect, and preserve a variety of fingerprint types; and, identify blood types and use a variety of testing techniques.

### *Spring Semester*

[Human DNA as Evidence](#): The student will analyze components of DNA and methods of DNA collection at crime scenes.

[Blood Spatter](#): Students will demonstrate an understanding regarding how blood spatter is used to analyze a crime scene.

[Trace Evidence](#): The student will demonstrate to ability to collect, preserve, identify, and trace evidence which may include human and/or animal hair, textile fibers and/or fabric, rope, feathers, soil, glass, building materials, and the like. **(See Fall Semester.)**

[Toxicology](#): Students will demonstrate an understanding regarding how to collect, preserve, and identify drug evidence and determine the techniques to measure the amount of alcohol/drugs in human body tissues.

[Additional Services of the Crime Laboratory](#): The student will demonstrate the ability to collect, preserve, and analyze firearm evidence and impressions; and use the science of entomology to determine the time of death of a victim.

[Tool Marks](#): The student will have a fundamental understanding of the various applications of tool mark forensic science in regards to firearms, footprints, tire impressions, bloody footprints, and other types of similar evidence at crime scenes.