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Basic Bloodstain Pattern Analysis

Instructor:

Amy Santoro, Ph.D.

April 6 - 10, 2026

Hours: 8 am - 5 pm

Location:

Alaska State Scientific Crime
Detection Laboratory
4805 Dr. Martin Luther King Jr. Ave.
Anchorage, AK 99507



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ABOUT TRITECH

A leader in the forensics market, Tri-Tech Forensics provides evidence collection and crime scene investigation products and training to crime labs and crime scene investigators throughout the world. With over 30 years of experience, we are the nation's most proficient developer and manufacturer of forensic kits. We are committed to providing our customers with state-of-the-art forensics products and services at affordable prices. It is our goal, through our research and development program, to continue to develop superior products and training to aid in all aspects of crime scene investigation and crime lab analysis. We know how important our products and training are to the forensics community, from investigation to prosecution. Our mission is the same as our customers – *Identify. Protect. Preserve.*

Basic Bloodstain Pattern Analysis

This Basic Bloodstain Pattern Analysis course is designed for beginner investigators or for those who have not yet had bloodstain pattern analysis training or exposure to bloodstained crime scenes.

Students will learn how to correctly identify bloodstains both based on appearance as well as pattern mechanism. The course contains theory and principles of bloodstain pattern analysis as well as practical activities, mock scenes, and evidence.

LEARNING OBJECTIVES:

- Develop a working knowledge and understanding of the physical properties and characteristics of blood
- Utilize proper documentation and collection methods for bloodstains and bloodstain patterns.
- Employ proper mathematical principles for determining angle of impact, area of convergence, and area of origin.
- Understand and apply bloodstain pattern analysis findings to crime scenes and written reports
- *It is recommended that students have previously completed a basic crime scene processing workshop course or have experience in the field.

Students will need to bring the following equipment, if possible:

- DSLR camera
- Tripod
- Macro Lens
- External Flash

*** Scales and manual calipers will be provided. Please bring a digital caliper, if you wish.*

COURSE INSTRUCTOR

Amy Santoro, Ph.D., CBPA, CSCSA



Amy Santoro has worked in forensic science since 2008. She holds a Bachelor of Science degree in Forensics and a Master of Science in Forensic Science. She is a doctoral candidate seeking a PhD in Forensic Investigations. Amy is recognized by the International Association for Identification as a Certified Bloodstain Pattern Analyst, Certified Senior Crime Scene Analyst and Certified Forensic Photographer. She has 11 years of experience as a crime scene investigator along with 5 years of experience as a forensic analyst specializing in forensic biology and body fluid identification. Amy specializes in shooting incident reconstruction and bloodstain pattern analysis.

Amy enjoys teaching and has taught courses in crime scene investigation, bloodstain pattern analysis, and forensic photography to law enforcement and forensic practitioners. She is also an adjunct university professor, teaching undergraduate classes and graduate courses.