



## MEDICAL FORENSICS

### COURSE DESCRIPTION:

This yearlong course is designed to create an awareness of the branch of health science relating to medical forensics. This course focuses on introductory skills and assessment to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills and safety, microscopy, toxicology, measurement, physical evidence identification, pathology, anthropology, entomology, psychology, blood spatter analysis, and career exploration.

### STRANDS:

- Fundamental aspects
- Essential laboratory safety skills and fundamentals skills related to microscopy and measurement.
- Describe techniques used to process a homicide crime scene and preserve the evidentiary value of the scene.
- Identify and analyze trace evidence, emphasizing hair and fiber.
- Explore fingerprint identification.
- Investigate the characteristics of blood, blood testing, and bloodstain analysis.
- Investigate various aspects of death.
- Explore aspects of the criminal mind.
- Explore characteristics of physical evidence and remains.
- Develop an understanding of the adverse effects of drugs and be acquainted with laboratory investigation of the most common poisonings.
- Investigate the importance of DNA evidence.