

Course Objectives	Competencies
<p>Apply scientific method of fire investigation</p> <p>Categorize types of building construction</p> <p>Construct the progression of a fire</p> <p>Evaluate and analyze a fire scene</p> <p>Reconstruct the origin and cause Electrical Service</p> <p>Evidence collection procedures</p> <p>Documentation</p> <p>Findings of a fire loss investigation</p>	<p>Define and Apply the scientific method</p> <p>Identify and evaluate hazards and safety precautions as they apply to fire investigation</p> <p>Identify various types of building construction and fire protection systems.</p> <p>Explain their relevance to fire investigation</p> <p>To be able to construct the progression of a fire within a compartment employing the variable that impact fire growth, development and spread.</p> <p>Evaluate and analyze a fire scene using fire patterns to assist in Determining the origin and cause of the fire.</p> <p>Use the scientific method to determine origin and cause.</p> <p>Identify and describe the components of electrical service, circuitry, modes of failure and arc mapping.</p> <p>Characterize and communicate proper evidence collection procedures.</p> <p>Demonstrate and validate the process of documenting a fire scene and fire investigation with the use of notes, sketching, diagrams, video, photography, and report writing.</p> <p>Conduct, document and communicate the findings of a fire loss.</p>