



Forensic Fire Services, LLC

280 Meadowbrook Circle
Lexington, TN
38351

Ben Benfield, CFI, ECT, CFEI, MIFireE

Forensicfireservices@outlook.com
www.forensicfireservices.com
(731)-616-9822

CURRICULUM VITAE

FORENSIC FIRE INVESTIGATOR

***BENJAMIN B. BENFIELD, IAAI-CFI(V), IAAI-ECT, IAAI-FIT,
NAFI- CFEI, AEMT, MIFireE, B.S. FSA***

Education

- Liberty University, Lynchburg, Virginia. M.S. Criminal Justice/Forensic Psychology (Currently Active)
- Waldorf University, Forrest City, Iowa. B.S. Fire Science Administration. 2015.
- Southwest Community College, Memphis, TN. Emergency Medical Services. 2009.

Professional Experience

- 2023 – Present
President, Principal Investigator/Fire Loss Consultant, Forensic Fire Services LLC, Lexington, TN.
- 2001 – Present
Captain-AEMT, Fire Investigator, City of Jackson Fire Department, Jackson, TN.
- 2019- 2023
(Part-Time) Fire Investigator, Donan Engineering, Louisville, KY.

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- 2015-2017
(Part-Time) Fire Chief, Fire Marshal, (Rebuilding) Town of Mason Fire Department, Mason TN
- 2009-2011
(Part-Time) Lieutenant, Henderson Fire Department, Henderson, TN.
- 2004-2006
(Reserve) Deputy Sheriff, Crocket County Sheriff's Department, Alamo, TN.

Professional Development

- International Association of Arson Investigators, Forensic Photography Basic/Advanced, (16 Hrs. Tested), 2024.
- International Association of Arson Investigators, Expert Witness Courtroom Testimony, (40 Hrs. Tested), 2023.
- International Association of Arson Investigators, Motor Vehicle Fire Investigation, (24 Hrs. Tested), 2023.
- International Association of Arson Investigators, Knowledge 1 Motor Vehicle Fires Tier 1, (8 Hrs. Tested), 2023.
- International Association of Arson Investigators, Fire Investigation Technician Program Accreditation and Testing, (Tested), 2023.
- State of Tennessee, Risk Reduction for Fire Officials, (7 Hrs. Tested), 2019.
- Alabama Fire College, Fire Investigator 1, (40 Hrs. Tested), 2018.
- Alabama Fire College, Public Fire & Life Safety Educator I, (40 Hrs. Tested), 2018.
- State of Tennessee, Reading Smoke, (Tested), 2015.
- State of Tennessee, Fire Chief Orientation, (18 Hrs. Tested), 2015.
- New Mexico Tech, Incident Response to Terrorist Bombings, (Tested), 2013.
- State of Tennessee, Arson Detection for the First Responder, (16 Hrs. Tested), 2013.
- Federal Emergency Management Agency, Leadership I, II, III, (45 Hrs. Tested), 2012.
- National Fire Academy, Command & Control of Incident Operations, (48 Hrs. Tested), 2012.

2

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- State of Tennessee, Fire Officer II, (40 Hrs. Tested), 2012.
- State of Tennessee, Fire Officer I, (40 Hrs. Tested), 2009.
- United States Air Force, Security Forces, Military Police Training, (Tested), 2006.
- Tennessee Emergency Management Agency, Emergency Response to Terrorism (16 Hrs. Tested), 2006.
- State of Tennessee, Fire Instructor 1, (40 Hrs. Tested), 2005.
- Tennessee Emergency Management Agency, Hazardous Materials Technician, (80 Hrs. Tested), 2005.
- Homeland Security, WMD Response, (Tested), 2004.
- Tennessee Association of Rescue Squads, Vehicle Extrication Technician, (20 Hrs. Tested), 2002
- State of Tennessee, Fire Fighter II, (Tested), 2002.
- State of Tennessee, Fire Fighter I, (Tested), 2001.
- City of Jackson Tennessee, Basic Fire Training, Academy, (400 Hrs. Tested), 2001.

Continued Education & Training

- TN Chapter IAAI 2024 ATC:
 - Fatal Fire Investigation, (6) hrs. (tested) 8-19-24
 - Fire Patterns/Dynamics (8) hrs. (tested) 8-20-24 / Live Fire Evolutions (4) hrs. (tested) 8-22-24
 - Motor Vehicle Fires (4) hrs. (tested) 8-21-24
 - Electric Vehicle Fires (4) hrs. (tested) 8-21-24
 - Photovoltaic/Solar Farm Fires (3) hrs. (tested) 8-22-24
 - Photovoltaic/Solar Farm Fires Case Studies (4) hrs. (tested) 8-23-24
- Evidence Collection and Complex Fire Investigations, IAAI-IL, (8) hrs. (tested) 7-2024



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- Evidence Examination. IAAI, CFITrainer.Net (4) hrs. (tested) 6-2024.
- Introduction to Evidence. IAAI, CFITrainer.Net (4) hrs. (tested) 6-2024.
- Physical Evidence at the Fire Scene. IAAI, CFITrainer.Net (4) hrs. (tested) 6-2024.
- Legal & Ethical Issues for Fire Investigators, Tennessee Advisory Committee on Arson, (20) hrs.(tested) 5-2024.
- The Scientific Method for Fire and Explosion Investigation. IAAI, CFITrainer.Net (3) hrs. (tested) 11-2023.
- Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems. IAAI, CFITrainer.Net (3) hrs. (tested) 10-2023.
- The Deposition Part 2: Questioning Tactics and Effective Responses. IAAI, CFITrainer.Net (3) hrs. (tested) 9-2023.
- The Practical Application of the Relationship Between NFPA 1033 & NFPA 921. IAAI, CFITrainer.Net (2) hrs. (tested) 9-2023.
- NFPA 1033 & Your Career. IAAI, CFITrainer.Net (2) hrs. (tested) 9-2023.
- Magna Tek: A Case Study in the Daubert Challenge. IAAI, CFITrainer.Net (2) hrs. (tested) 9-2023.
- Discovery in Civil Cases. IAAI, CFITrainer.Net (3) hrs. (tested) 9-2023.
- Ethical Duties Beyond the Fire Scene. IAAI, CFITrainer.Net (3) hrs. (tested) 9-2023.
- Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems. IAAI, CFITrainer.Net (3) hrs. (tested) 9-2023.
- Wildland Fires Investigation. IAAI, CFITrainer.Net (5) hrs. (tested) 5-2023.
- Insurance and the Fire Investigation. IAAI, CFITrainer.Net (4) hrs. (tested) 4-2023.
- Fire Chemistry. IAAI, CFITrainer.Net (3) hrs. (tested) 4-2023.
- Process of Elimination. IAAI, CFITrainer.Net (3) hrs. (tested) 4-2023.
- Alternative Fuel Vehicles. IAAI, CFITrainer.Net (3) hrs. (tested) 4-2023.



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- Electric & Hybrid Vehicle Design Basics. IAAI, CFITrainer.Net (3) hrs. (tested) 4-2023.
- The Deposition Part 1: Format, Content, and Preparation. IAAI, CFITrainer.Net (3) hrs. (tested) 4-2023.
- Electric & Hybrid Vehicle Fires. IAAI, CFITrainer.Net (3) hrs. (tested) 6-2021.
- Discovery in Criminal Cases. IAAI, CFITrainer.Net (3) hrs. (tested) 4-2021.
- Motive, Means, and Opportunity. IAAI, CFITrainer.Net (4) hrs. (tested) 4-2021.
- Investigating Motor Vehicle Fires. IAAI, CFITrainer.Net (4) hrs. (tested) 4-2021.
- The Impact of Ventilation in Building Structures on Fire Department. IAAI, CFITrainer.Net (4) hrs. (tested) 4-2021.
- Managing Complex Fire Scene Investigations. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- DNA. IAAI, CFITrainer.Net (3) hrs. (tested) 3-2012.
- Electrical Safety. IAAI, CFITrainer.Net (3) hrs. (tested) 3-2012.
- Arc Mapping Basics. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- How First Responders Impact the Fire Investigation. IAAI, CFITrainer.Net (2) hrs. (tested) 3-2012.
- Search and Seizure. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- Ethics and the Fire Investigator. IAAI, CFITrainer.Net (3) hrs. (tested) 3-2012.
- Vacant and Abandoned Buildings. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- Documenting the Event. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- Critical Thinking Solves Cases. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- Effective Investigation and Testimony. IAAI, CFITrainer.Net (3) hrs. (tested) 3-2012.
- Fundamentals of Residential Building Construction. IAAI, CFITrainer.Net (3) hrs. (tested) 3-2012.
- Fundamentals of Interviewing. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- Fire Investigator Scene Safety. IAAI, CFITrainer.Net (3) hrs. (tested) 3-2012.



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- Explosion Dynamics. IAAI, CFITrainer.Net (4) hrs. (tested) 3-2012.
- State of Tennessee, Fire & Emergency Services Train-the-Trainer, (4 Hrs. Tested course), 2012.

Professional Associations, Certifications and Licensure

- International Association of Arson Investigators-IAAI, Member,
 - Certified Fire Investigator, IAAI-CFI,
 - Vehicle Fire Investigator Endorsement, IAAI-CFI(V) #04-053076,
 - Evidence Collection Technician &
 - Fire Investigation Technician, IAAI- FIT #1415887.
- National Association of Fire Investigators-NAFI Member
Certified Fire & Explosion Investigator, (NAFI- CFEI) #17448-9533.
- Tennessee Advisory Committee on Arson Member.
- Tennessee Department of Commerce and Insurance, Private Investigator #8608.
- Tennessee Department of Commerce and Insurance, Private Investigation Company #2407.
- Arkansas State Police, Private Investigation Company #6523
- Alabama Private Investigation Board (APIB), Private Investigator #1157.
- International Fire Fighters Association-IAFF (Member).
- Institution of Fire Engineers (Member) #89889.

Classes Taught

- Tennessee Bureau of Investigation (TBI) – “Arson Investigation for First Responders,” (16 Hrs), Assistant Instructor, November 2-3, 2024.
- Jackson Fire Department (JFD) – “Fire Cause and Safety,” (4 Hrs.), Assistant Instructor, December 16, 2019.

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Awards and Recognition

- State of Tennessee Senators Office- Certificate of Appreciation In response to Natural Disaster Response, by Senator Don McLeary, 2003.

Litigation/Expert Witness Experience.

I have consulted many Law Firms regarding the Origin and Cause of Fire.
I served in Deposition for Ortale Kelly, Travelers v. AAC, on June 17, 2024.

I have been involved in fire suppression on over 800 Fires of various types, including structures, vegetation, vehicles, rubbish, and petroleum.

I have served as the Lead Investigator on over 450 Fire Investigations, including residential, commercial, vehicle, industrial, agricultural, and marine.

Benjamin B. Benfield, IAAI-CFI(V), ECT, FIT, NAFI-CFEI, AEMT, MIFireE, BSc

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