

Ronald Benson, Fire Investigator

Fire Investigator:

Primary responsibility is to determine the origin and cause of fires and explosions. Duties include, but not limited to; scene examination and investigation, scene reconstruction and diagrams, interviews of witnesses and first responders, and preparing written reports with photo documentation.

Experience:

Fire Investigator, Davis Fire Debris Analysis LLC	May 2019 – Present
Fire Investigator, Westchester County D.E.S, Cause and Origin Team	January 2011 - Present
Firefighter, Village of Rye Brook, New York	October 1998 - Present

Education:

New York State Code Enforcement Official Westchester County Fire Training Center - Valhalla, N.Y.	August 2015
Fire Arson Investigation Course New York State Academy of Fire Science - Montour Falls, N.Y.	September 2012
Principles of Fire Investigation Course New York State Academy of Fire Science - Montour Falls, N.Y.	December 2010
Fire Behavior and Arson Awareness Course New York State Academy of Fire Science - Montour Falls, N.Y.	December 2010
New York State Code Compliance Technician Westchester County Fire Training Center - Valhalla, N.Y.	November 2004
229 Hour Firefighter Training Course Westchester County Fire Training Center - Valhalla, N.Y.	November 1999

Ronald Benson, Fire Investigator

Certifications & Licensure:

New Jersey Private Detective # 9840 <ul style="list-style-type: none">Renewed	November 2022 March 2024
Evidence Collection Technician International Association of Fire Investigators	August 2022
New York State Private Investigator # 11000218015 <ul style="list-style-type: none">Renewed	March 2021 March 2023
National Pro Board – Fire Investigator N.F.P.A. 1033-2014 Certificate Number: 391118 International Association of Arson Investigators	December 2016
Certified Fire Investigator Certificate Number: 23 – 121359 International Association of Arson Investigators	December 2016 Recertified 2021
Certified Fire and Explosion Investigator Certificate Number: 19649-12034 National Association of Fire Investigators	February 2016 Recertified 2020
New York State Code Enforcement Official Certificate Number: 0715-0167 New York State Building and Codes	August 2015
National Pro Board – Fire Investigator N.F.P.A. 1033-2009 Certificate Number: 0715-0001 New York State Office of Fire Prevention and Control	July 2015
Fire Investigation Technician International Association of Arson Investigators	June 2015
New York State Fire Investigator Level 2 Certificate Number: 750002-1014-0052 New York State Office of Fire Prevention and Control	October 2014
New York State Fire Investigator, Level 1 Certificate Number: 750001-0112-0009 New York State Office of Fire Prevention and Control	January 2012
Code Compliance Technician Certificate Number: 0904-0107 New York State Building and Codes	October 2004
Career Fire Fighter Academy 229 Hour Firefighter Training Certificate Number: 1199-0924 New York State Office of Fire Prevention and Control	November 1999

Ronald Benson, Fire Investigator

Professional Tested Training Received:

2024 New Jersey I.A.A.I Motor Vehicle Fire 3 – Day Class Cape May, N.J.	August 2024
2024 Connecticut Chapter 49 – I.A.A.I Seminar New Haven, Ct.	June 2024
2024 New York State Chapter 23 – I.A.A.I Seminar Saratoga Springs, N.Y.	May 2024
2023 Connecticut Chapter 49 – I.A.A.I Seminar Rocky Hill, Ct.	November 2023
2023 New York State Chapter 23 – I.A.A.I Seminar Saratoga Springs, N.Y.	May 2023
2022 New York State Chapter 23 – I.A.A.I Seminar Saratoga Springs, N.Y.	May 2022
2019 New York State Arson Seminar New York State Academy of Fire Science – Montour Falls, N.Y.	November 2019
Vehicle Arson Awareness Program New York State Academy of Fire Science – Montour Falls, N.Y.	June 2019
Westchester County Fire Investigators Association Putnam County Bureau of Emergency Services – Carmel, N.Y.	March 2019
2018 New York State Arson Seminar New York State Academy of Fire Science – Montour Falls, N.Y.	November 2018
Forensic Photography I.A.A.I – East Haven Ct.	June 2017
2016 New York State Arson Seminar New York State Academy of Fire Science – Montour Falls, N.Y.	November 2016
Arc Mapping, Damage Dynamics, Marine Fire Investigation, Fatalities I.A.A.I, N.Y.S. Chapter 23 – Poughkeepsie, N.Y.	September 2016
Expert Witness Courtroom Testimony I.A.A.I – Crofton, MD.	June 2016
Electrical Fire Cause Determination II New York State Academy of Fire Science - Montour Falls, N.Y.	October 2014
Investigating Electrical Fire Causation New York State Association of Fire Investigators - Middletown, N.Y.	April 2014

Ronald Benson, Fire Investigator

Professional Tested Training Received:

I.A.A.I 40 Hours Fundamentals of Fire Investigation New York State Association of Fire Investigators - Albany, N.Y.	February 2014
Electrical Fire Cause Determination I New York State Academy of Fire Science - Montour Falls, N.Y.	October 2013
Fire Arson Investigation Course New York State Academy of Fire Science - Montour Falls, N.Y.	September 2012
Principles of Fire Investigation Course New York State Academy of Fire Science - Montour Falls, N.Y.	December 2010
Fire Behavior and Arson Awareness Course New York State Academy of Fire Science - Montour Falls, N.Y.	December 2010

On-Line Tested Training Completed Through I.A.A.I, CFI Trainer.Net, N.F.A., and DCARI:

Commercial Kitchen Fires 1: Fundamentals Motor Vehicles: The Engine, Electrical, and Fuel Systems (recertification) Motor Vehicles: Transmission, Exhaust, Brake, and Accessory System (Recertification)	July 2024
Photovoltaic Cells and Systems	April 2023
Alternate Fuel Vehicles	December 2022
Lithium-Ion Battery Fires (DCARI)	November 2022
NFPA 1033 & 921: 2022/2021 Edition Important Revisions	July 2022
DNA Evidence Examination: What Happens in the Lab	June 2022
Electric and Hybrid Vehicle Fires Hero to Zero – Firefighter Arsonists (DCARI)	August 2021
Vehicles Fires for Fire Investigators (DCARI)	May 2021
NFPA 921 2021ed. Updates/Changes (DCARI)	April 2021
Lithium-Ion Batteries Fire Investigation Health & Safety (DCARI) Fire Scene Photography (DCARI) Digital Evidence (DCARI)	March 2021
Electric and Hybrid Vehicle Design Basics Arson Profiling/Behavioral Analysis Unit (DCARI)	February 2021

Ronald Benson, Fire Investigator

On-Line Tested Training Completed Through I.A.A.I, CFI Trainer.Net, N.F.A, and DCARI:

Fire Patterns Post Flashover	January 2021
New York State Criminal Justice Reform: The Impact on Fire Investigators	December 2020
Corrugated Stainless Steel Tubing (DCARI)	November 2020
Fire Dynamics (DCARI)	October 2020
Managing Complex Fire Scene Investigations	September 2020
Introduction to Appliances	
Post Flashover Fires	
Origin and Cause Fire Investigation Report Writing – Public Sector (DCARI)	
Wildland Fire Investigations (DCARI)	June 2020
Identifying Damage to Electrical Conductors (DCARI)	May 2020
Receptacle Fires (DCARI)	
Fire Alarm Control Panels (DCARI)	
Timeline Analysis (DCARI)	
Fire Investigation Report Writing (DCARI)	
Writing the Initial Origin and Cause Report (Refresher)	December 2019
Critical Evaluation and Testing of Commonly Reported Accidental Causes	
Explosion Dynamics	
Fire Investigation for Fire Officers	
Fire Investigation for Fire Officers Multi Program Concentration Motor Vehicle & Youth Set Fires	
Fire Flow Analysis	
How First Responders Impact the Fire Investigation	
Introduction to Youth Set Fires	
Legal Aspects of Investigating Youth Set Fires	
Principles of Fire Investigation Multi Program	December 2019
Understanding Undetermined	
Charting Your Career Path in Fire Investigation	October 2019
Insurance and the Fire Investigation	
Vacant and Abandon Buildings: Hazards and Solutions	May 2018
Fire Investigator Scene Safety	
Residential Natural Gas Systems	April 2018
Investigating Natural Gas Systems	
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems	November 2017
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems	
Fire Chemistry	

Ronald Benson, Fire Investigator

On-Line Tested Training Completed Through I.A.A.I, CFI Trainer.Net, N.F.A, and DCARI:

Asbestos Safety Awareness – Etraining.com	July 2017
Digital Photography and the Fire Investigator (Recertification)	June 2017
Thermometry, Heat and Heat Transfer	February 2017
Fundamentals of Interviewing Critical Thinking Solves Cases	March 2016
Accreditation, Verification and Certificates Residential Electrical Systems Writing the Initial Origin and Cause Report	January 2016
Q-0368 Intro to Fire Behavior in Single Family Dwelling, N.F.A. Q-0379 Initial Fire Investigation for First Responders, N.F.A.	June 2015
Understanding Fire through the Candle Experiment The Deposition Part 2: Questioning Tactics and Effective Responses The Deposition Part 1: Format, Content and Preparation Magne-Tex: A Case Study in the Daubert Challenge Effective Investigation and Testimony	May 2015
Charleston Sofa Super Store Fire	April 2015
Introduction to Fire Dynamics and Modeling Investigating Fatal Fires Physical Evidence at the Fire Scene Introduction to Evidence Investigating Motor Vehicle Fires	May 2014
Fundamentals of Residential Building Construction Fire Protection Systems Documenting the Event	May 2014
Basic Electricity	March 2014
N.F.P.A 921 and 1033 2104 Editions: Important Revisions	February 2014
The Scientific Method for Fire and Explosion Investigation Electrical Safety Arc Mapping Basics	December 2013
The Practical Application of the Relationship between N.F.P.A 1033 & 921 Ethics and the Fire Investigator N.F.P.A 1033 and Your Career	October 2013

Ronald Benson, Fire Investigator

Seminars:

Lithium Battery Fires Energy Safety Response Group	May 2022
Fire Investigation Training Seminar Westchester County Department of Emergency Services	May 2017
Arson- Collection, Packaging, Analysis and Reporting Westchester County Labs and Research - Valhalla, N.Y.	September 2016
Fire Debris Evidence Collection and Preservation A.T.F. New York Field Division – Poughkeepsie, N.Y.	June 2016
Investigating Electrical Fire Causation New York State Association of Fire Investigators - Middletown, N.Y.	April 2014
Arson Evidence Training Westchester County Labs and Research - Valhalla, N.Y.	September 2013
Arson – Collection, Packaging, Analysis and Reporting Course Westchester County Labs and Research - Valhalla, N.Y.	September 2011

Professional Affiliations:

International Association of Arson Investigators
New York State Association of Fire Investigators, Chapter 23
Connecticut Chapter – International Association of Arson Investigators
New Jersey Chapter – International Association of Arson Investigators
National Association of Fire Investigators
International Association of Fire Fighters
Hudson Valley Fire Investigators Association