

Education:

BA in General Arts and Sciences, 1995, Pennsylvania State University, State College, PA

Pennsylvania State Police Academy, 1999, Hershey, PA

Certificate and Certification Programs (Various Institutions – See Training Section for more Details)

Experience:

2020- Present, Romualdi, Davidson & Associates, Inc. (RDA)

Senior Fire Science Consultant and Fire Investigator. Provide consulting services pertaining to fire scene and fire suppression. Determine the origin and cause of fires in residential, commercial, industrial, and recreational dwellings along with automobiles, commercial vehicles, and heavy equipment. Certified in accordance with NFPA 1033, Standard for Professional Qualifications for Fire Investigator via the PA Office of State Fire Commissioner and International Association of Arson Investigators (IAAI).

Lead Investigator for over 950 Career Fire Origin and Cause Investigations. Assisted other investigators with an additional 885 Fire Origin and Cause Investigations. (RDA and PA State Police)

1999- 2020 Commonwealth of Pennsylvania – State Trooper – Fire Investigator/Supervisor

Troop C Fire Marshal Unit Supervisor (2013-Present) Deputy Fire Marshal (2008-2013) Assistant Deputy Fire Marshal (2004-2008). Determine the origin and cause of fires in residential, commercial, industrial, recreational dwellings along with automobiles, commercial vehicles, and heavy equipment. Certified in accordance with NFPA 1033, Standard for Professional Qualifications for Fire Investigator via the PA Office of State Fire Commissioner and International Association of Arson Investigators.

Supervise, assist and train 7 subordinate fire investigators. Technically review investigative reports.

Related PSP Position: Troop C Nuclear, Chemical and Biological Officer 2007 – 2015 (In conjunction with Fire Marshal Positions) Advise Command Staff regarding Scene Management, Hazardous Materials Team, National Guard, Regional Counter Terrorism Task Force Liaison and Instruct Personnel on Safety, Detection & Decontamination of Hazardous Materials.

1996 – 2010, Agosti Fire & Safety Services, Inc. Kersey, PA – Chief Executive Officer

2010- Present, Agosti Emergency Preparedness Solutions, LLC – President

Licensed Private Investigator in the Commonwealth of Pennsylvania and State of New York. Fire science and fire protection consultant. Fire science research and analysis. Fire service training and curriculum development. mass violence and active shooter prevention, training preparedness and risk assessments. Design, develop and execute emergency response exercises to test the level of preparedness in private and public sector agencies, facilities, and businesses. Evaluate fire department response capabilities.

1996 – Present, Commonwealth of Pennsylvania – State Fire Academy Suppression Instructor

1996 – Present, Public Safety Instructor – Butler County Community College

National Board on Fire Service Professional Qualifications, Fire Instructor Certified. Curriculum packages instructed include: Arson Awareness for Emergency Response Personnel, Arson Detection for First Responders, Fire/Arson Investigation, Building Construction Non Combustible and Fire Resistive, Building Construction Wood Frame and Ordinary, Carbon Monoxide Detector Response, Engine Company Operations,

Essentials Refresher, Emergency Response to Terrorism Basic Concepts, Health and Safety Officer, Industrial Fire Brigade Extended, Industrial Fire Brigade Comprehensive, Employee Safety and Extinguisher Training, Foam Firefighting Basic and Technician, Respiratory Protection I and II, Vehicle Fires and Other Emergencies, Blood Borne Pathogens and Infectious Disease, Incident Command System Orientation, Incident Command System Single Resource and Single Action Incidents, Intermediate ICS for Expanding Incidents, Advanced ICS for Complex Incidents, Introduction to the National Incident Management System, Introduction to Unified Command, Incident Command System for the Fire Service, Basic Vehicle Rescue, Fire Dynamics Fundamentals, and Fire Dynamics Strategy and Tactics.

1990 – Present, Fox Township, Kersey, PA - Firefighter

Volunteer Firefighter engaged in fire suppression, vehicle rescue, technical rescue, hazardous materials mitigation, fire investigation, fire protection, fire prevention and emergency preparedness. Certified Firefighter I, Firefighter II, and Fire Instructor in accordance with NFPA Standards on Professional Qualifications.

1993 – 1999, Elk County Emergency Services, Ridgway, PA – Emergency Tele-communicator

Receive and Dispatch emergency 911 calls for fire service, emergency medical service and law enforcement. Developed the Fire Dispatch System based on fire protection data and related materials to maximize response efficiency.

Publications and Lectures:

Over 230 lectures have been conducted since 1996 involving the topics of fire suppression, fire investigation, fire science, evidence preservation, hazardous materials, fire dynamics, and other related fields.

Expert Witness – Trial Court:

Extensive Courtroom experience since 1999. Expert testimony in depositions and minor judiciaries in the Commonwealth of Pennsylvania. Recognized as an expert in the Court of Common Pleas in multiple Pennsylvania Counties. Testified as an expert in the Court of Common Pleas on 12 occasions.

Fire Testing, Experimentation and Research Projects:

Over 65 controlled tests and experimentation pertaining to fire ignition, heat transfer, fire dynamics, ignitable liquid, failure analysis, spontaneous combustion, electrical ignition, chemical reaction, explosion dynamics, battery failure, home health oxygen, cigarette ignition, refracted sunlight, and others.

International Association of Arson Investigators Certifications and Endorsements:

Certified Fire Investigator (CFI)

Motor Vehicle Fire Endorsement (CFI-V)

NPQS Certification – National Professional Qualifications System

NPQS Certification is an internationally recognized means of acknowledging professional achievement in the fire service and related fields. NPQS Certification is a statement of success, an indisputable mark of performance belonging to individual fire service professionals.

Greg Agosti holds NPQS Certification under National Fire Protection Association Standards:
1001 Firefighter - 1033 Fire Investigator (Pennsylvania and IAAI) - 1041 Fire Service Instructor

Awards and Special Recognition

- 2004 Public Safety Instructor of the Year – Butler County Community College

- 2005 PA State Police Commendation Medal Recipient (Rescue of Trapped Man in Water)
- PA State Police Troop C Trooper of the Month – November 2006 (Sexual Predator Invest.)
- PA State Police Troop C Trooper of the Month – February 2007 (Commercial Fraud Invest.)
- PA State Police Troop Commander's Letter of Commendation – August 2008 (Fire Invest.)
- 2008 Nominee for the PA State Police Commissioner's Area Command Significant Achievement Award (Relative to Successful Fire Investigations)
- 2009 International Association of Special Investigative Units (IASUI) Award for Excellence in Insurance Investigations and Auto Theft.
- PA State Police Troop C Trooper of the Month – May 2010 (Serial Arsonist Investigation)
- PA State Police Troop C Trooper of the Month – July 2012 (Arson Investigation)
- 2013 Commonwealth of PA Trooper of the Year Nomination (Statewide Nomination)
- 2013 Anthony M. Kane Achievement Award, Niagara Falls Ontario, for Excellence in Vehicle Theft Recovery and Arson Investigations.
- PA State Police Troop C Trooper of the Month – October 2013 (Commercial Vehicle Fires)
- 2014 PA State Police Area Command Award (Arson/Homicide Investigation)
- PA State Police Troop C Trooper of the Month – November 2015 (Firefighter Arsonist Invest.)
- Contributions to the Pennsylvania Assn. Arson Investigators – January 2016 Fire Dynamics.
- PA State Police Troop C Trooper of the Month – May 2018 (Supervision of Multi-Agency Serial Arsonist Investigation)
- 2018 Fire Investigator of the Year Award – Pennsylvania Association of Arson Investigators
- ATF Pittsburgh Field Office Award for Excellence – June 2018 (Serial Arsonist Investigation)
- Contributions to the Pennsylvania Assn. Arson Investigators – January 2020 Fire Investigation

International Recognition

The July 2013 *APB Magazine*, Volume 19, No. 2 published by The International Association of Auto Theft Investigators featured an article regarding an Arson Investigation conducted by Greg Agosti in McKean County PA during 2012.

Expert Technical Support

Technical Fire Science Advisor – Author Lydia Alexander – Asheville, NC
 Fire and Explosion Consultant – Dream Way Productions – Paris, France

Professional Memberships

International Association of Arson Investigators (IAAI)
 Pennsylvania Association of Arson Investigations (PAAI) - Prior Member of Board of Directors

Training Courses - (Categorized According to 2014 Edition NFPA 1033 Section 1.3.7)

Fire Science

04/14/91	Essentials of Firefighting	48 Hours
05/19/91	Fundamentals of Firefighting	16 Hours
05/17/92	Truck Company Operations	16 Hours
09/19/92	Structural Burn	16 Hours
05/16/93	Flammable Liquid Firefighting	16 Hours
05/22/94	Building Construction	16 Hours
04/21/96	Fire Department Rescue	16 Hours
05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
09/22/96	Engine Company Operations	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
02/02/97	Vehicle Fires	8 Hours
04/22/97	Rapid Intervention Concepts	2 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
01/10/98	Arson Awareness	4 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/01/05	ATF Post Blast Training	8 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours
02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours

11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
04/10/13	Burn Injury Assessment and Treatment	1 Hour
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
11/15/17	Oxygen 101	2 Hours
02/02/18	Post Flashover Fires	4 Hours
12/01/18	Understanding Undetermined	3 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
06/19/19	Investigating/Litigating Fire Loss Claims	8 Hours
05/06/20	Receptacle Fires	2 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Fire Chemistry

03/24/91	NFA Hazardous Materials Identification	8 Hours
04/14/91	Essentials of Firefighting	48 Hours
05/19/91	Fundamentals of Firefighting	16 Hours
09/19/92	Structural Burn	16 Hours
11/22/92	Hazardous Materials Operations	24 Hours
05/16/93	Flammable Liquid Firefighting	16 Hours
01/30/94	NFA Managing Tactical Operations	64 Hours

05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
09/22/96	Engine Company Operations	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
01/19/97	First Responder Awareness	4 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/01/05	ATF Post Blast Training	8 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
04/01/12	Hazardous Materials Operations	24 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
11/15/15	Hazardous Materials Operations Update	6 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
11/15/17	Oxygen 101	2 Hours
02/02/18	Post Flashover Fires	4 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours

01/26/19	IAAI-Fire Dynamics	6 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Thermodynamics

04/14/91	Essentials of Firefighting	48 Hours
05/19/91	Fundamentals of Firefighting	16 Hours
05/17/92	Truck Company Operations	16 Hours
09/19/92	Structural Burn	16 Hours
01/30/94	NFA Managing Tactical Operations	64 Hours
05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
09/22/96	Engine Company Operations	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/01/05	ATF Post Blast Training	8 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours
02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours

06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
02/02/18	Post Flashover Fires	4 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Thermometry

04/14/91	Essentials of Firefighting	48 Hours
09/19/92	Structural Burn	16 Hours
05/22/94	Building Construction	16 Hours
05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours

02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
02/02/18	Post Flashover Fires	4 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours
12/09/18	Arc Mapping Basics	4 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
05/06/20	Identifying Damage to Electrical Conductors	2 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours

03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours
Fire Dynamics		
04/14/91	Essentials of Firefighting	48 Hours
05/19/91	Fundamentals of Firefighting	16 Hours
05/17/92	Truck Company Operations	16 Hours
09/19/92	Structural Burn	16 Hours
01/30/94	NFA Managing Tactical Operations	64 Hours
05/22/94	Building Construction	16 Hours
05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
09/22/96	Engine Company Operations	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours
02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours

07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
11/15/17	Oxygen 101	2 Hours
02/02/18	Post Flashover Fires	4 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Explosion Dynamics

03/24/91	NFA Hazardous Materials Identification	8 Hours
04/14/91	Essentials of Firefighting	48 Hours
11/22/92	Hazardous Materials Operations	24 Hours
05/16/93	Flammable Liquid Firefighting	16 Hours
05/22/94	Building Construction	16 Hours
04/14/96	Disaster Preparedness	16 Hours
01/19/97	First Responder Awareness	4 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
01/25/98	Emergency Response to Terrorism	16 Hours
10/08/04	Clandestine Laboratory Awareness	4 Hours
02/01/05	ATF Post Blast Training	8 Hours
03/31/05	DHS Terrorism Awareness Instructor Certification	8 Hours
10/03/07	Incident Response to Terrorist Bombings	8 Hours
03/28/08	State & Local Anti-Terrorism Training Program	8 Hours
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours

04/01/12	Hazardous Materials Operations	24 Hours
05/11/12	Post Blast Investigation	36 Hours
08/18/13	Hazardous Materials Operations Update	6 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
11/15/15	Hazardous Materials Operations Update	6 Hours
01/24/16	Behavior of Natural Gas	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
12/05/18	Explosion Dynamics	4 Hours
01/27/19	Hazardous Materials Awareness Update	3 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
02/08/20	Hazardous Materials Operations Update	6 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
04/27/24	Gas Explosions and Fires	8 Hours

Computer Fire Modeling

01/30/94	NFA Managing Tactical Operations	64 Hours
11/03/96	Fire – Arson Detection	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours
02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
10/18/14	Fire Dynamics	4 Hours

10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
05/27/20	Timeline Analysis	2 Hours

Fire Investigation

04/14/91	Essentials of Firefighting	48 Hours
03/01/92	Fire Service Supervision	16 Hours
09/19/92	Structural Burn	16 Hours
05/22/94	Building Construction	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
02/02/97	Vehicle Fires	8 Hours
11/16/97	NFA Health and Safety Officer	16 Hours
01/10/98	Arson Awareness	4 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
10/08/04	Clandestine Laboratory Awareness	4 Hours
02/01/05	ATF Post Blast Training	8 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours
02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
11/02/06	PA State Police Crime Scene Photography	8 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/13/08	Hero to Zero Firefighter Arsonist Program	3 Hours
04/20/10	PA Insurance Fraud Conference	12 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours

06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
11/15/17	Oxygen 101	2 Hours
02/02/18	Post Flashover Fires	4 Hours
12/01/18	Understanding Undetermined	3 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours
12/09/18	Arc Mapping Basics	4 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
06/19/19	Investigating/Litigating Fire Loss Claims	8 Hours
01/25/20	Youthful Fire Setters and Firefighter Arsonists	4 Hours
01/26/20	Maternal Filicide	4 Hours
01/26/20	Field Interviews	4 Hours
05/06/20	Receptacle Fires	2 Hours
05/06/20	Identifying Damage to Electrical Conductors	2 Hours
11/03/20	Physical Evidence at the Fire Scene	4 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

05/16/23	NFPA 1033 & 921 Updates	3 Hours
5/20/23	The Process of Elimination	3 Hours
04/27/24	Gas Explosions and Fires	8 Hours

Fire Analysis

04/14/91	Essentials of Firefighting	48 Hours
05/19/91	Fundamentals of Firefighting	16 Hours
09/19/92	Structural Burn	16 Hours
05/16/93	Flammable Liquid Firefighting	16 Hours
01/30/94	NFA Managing Tactical Operations	64 Hours
05/22/94	Building Construction	16 Hours
05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
02/02/97	Vehicle Fires	8 Hours
01/10/98	Arson Awareness	4 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
02/16/05	NFA Building Construction – Combustible	16 Hours
02/18/05	NFA Building Construction – Noncombustible	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
04/10/13	Burn Injury Assessment and Treatment	1 Hour
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours

10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
02/02/18	Post Flashover Fires	4 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours
12/09/18	Arc Mapping Basics	4 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
06/19/19	Investigating/Litigating Fire Loss Claims	8 Hours
05/27/20	Timeline Analysis	2 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Fire Investigation Methodology

04/14/91	Essentials of Firefighting	48 Hours
09/19/92	Structural Burn	16 Hours
09/22/96	Engine Company Operations	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
02/02/97	Vehicle Fires	8 Hours
01/10/98	Arson Awareness	4 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours

06/13/08	Hero to Zero Firefighter Arsonist Program	3 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
02/02/18	Post Flashover Fires	4 Hours
12/01/18	Understanding Undetermined	3 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours
12/09/18	Arc Mapping Basics	4 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
06/19/19	Investigating/Litigating Fire Loss Claims	8 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours
05/20/23	The Process of Elimination	3 Hours

Fire Investigation Technology

11/03/96	Fire – Arson Detection	16 Hours
01/10/98	Arson Awareness	4 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours

06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
11/02/06	PA State Police Crime Scene Photography	8 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
03/16/07	Electronic Surveillance (Class A Wiretap)	40 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
04/20/10	PA Insurance Fraud Conference	12 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
02/02/18	Post Flashover Fires	4 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
05/27/20	Timeline Analysis	2 Hours
11/03/20	Physical Evidence at the Fire Scene	4 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours
04/27/24	Gas Explosions and Fires	8 Hours

Hazardous Materials

03/24/91	NFA Hazardous Materials Identification	8 Hours
11/22/92	Hazardous Materials Operations	24 Hours
05/16/93	Flammable Liquid Firefighting	16 Hours

05/19/96	Respiratory Protection	16 Hours
07/14/96	Foam Firefighting	16 Hours
01/19/97	First Responder Awareness	4 Hours
02/02/97	Vehicle Fires	8 Hours
02/21/97	Carbon Monoxide Emergencies	3 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
10/12/97	Trench Rescue	16 Hours
06/04/02	Infectious Disease Awareness	4 Hours
10/08/04	Clandestine Laboratory Awareness	4 Hours
10/17/04	Haz-Mat Defensive Practices	16 Hours
02/01/05	ATF Post Blast Training	8 Hours
03/31/05	DHS Terrorism Awareness Instructor Certification	8 Hours
03/28/08	State & Local Anti-Terrorism Training Program	8 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
04/01/12	Hazardous Materials Operations	24 Hours
05/11/12	Post Blast Investigation	36 Hours
05/16/12	Nuclear, Chemical and Biological Officer Update	8 Hours
04/10/13	Blood Borne Pathogens	1 Hour
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
08/18/13	Hazardous Materials Operations Update	6 Hours
10/14/15	Gas Alert Micro 5 Operation and Maintenance	1 Hour
11/15/15	Hazardous Materials Operations Update	6 Hours
01/24/16	Behavior of Natural Gas	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
11/13/16	Hazardous Materials Operations Update	6 Hours
11/15/17	Oxygen 101	2 Hours
01/13/18	Hazardous Materials Operations Update	6 Hours
12/05/18	Explosion Dynamics	4 Hours
01/27/19	Hazardous Materials Awareness Update	3 Hours

06/18/19	Lithium-Ion Batteries	7 Hours
02/08/20	Hazardous Materials Operations Update	6 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
04/27/24	Gas Explosions and Fires	8 Hours

Failure Analysis and Analytical Tools

05/22/94	Building Construction	16 Hours
02/02/97	Vehicle Fires	8 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
07/19/05	Behavioral and Linguistic Patterning	16 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
12/07/06	Fire Dynamics and Modeling	16 Hours
04/11/07	Written Statement Analysis	12 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/13/08	Hero to Zero Firefighter Arsonist Program	3 Hours
04/20/10	PA Insurance Fraud Conference	12 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours

12/01/18	Understanding Undetermined	3 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
12/05/18	Explosion Dynamics	4 Hours
12/09/18	Arc Mapping Basics	4 Hours
01/26/19	IAAI-Fire Dynamics	6 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
06/19/19	Investigating/Litigating Fire Loss Claims	8 Hours
05/06/20	Identifying Damage to Electrical Conductors	2 Hours
05/11/20	Critical Eval. & Testing of Accidental Causes	3 Hours
05/27/20	Timeline Analysis	2 Hours
11/03/20	Physical Evidence at the Fire Scene	4 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Fire Protection Systems

04/14/91	Essentials of Firefighting	48 Hours
05/22/94	Building Construction	16 Hours
09/22/96	Engine Company Operations	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
08/09/10	Well Fire Control Incident Management	6 Hours
10/18/14	Fire Dynamics	4 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours

09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
12/03/18	Thermometry, Heat and Heat Transfer	3 Hours
05/27/20	Timeline Analysis	2 Hours
05/28/20	Alarm Control Panels	2 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours

Evidence Documentation, Collection, and Preservation

04/14/91	Essentials of Firefighting	48 Hours
09/19/92	Structural Burn	16 Hours
02/27/94	NFA Incident Command Systems	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
02/02/97	Vehicle Fires	8 Hours
01/10/98	Arson Awareness	4 Hours
01/25/98	Emergency Response to Terrorism	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
10/08/04	Clandestine Laboratory Awareness	4 Hours
10/17/04	Haz-Mat Defensive Practices	16 Hours
02/01/05	ATF Post Blast Training	8 Hours
03/06/05	Unified Command	16 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
07/19/05	Behavioral and Linguistic Patterning	16 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
08/02/06	Intermediate Incident Command	24 Hours
08/04/06	Advanced Incident Command	16 Hours
11/02/06	PA State Police Crime Scene Photography	8 Hours
03/16/07	Electronic Surveillance (Class A Wiretap)	40 Hours
04/11/07	Written Statement Analysis	12 Hours
10/03/07	Incident Response to Terrorist Bombings	8 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours

06/13/08	Hero to Zero Firefighter Arsonist Program	3 Hours
03/28/08	State & Local Anti-Terrorism Training Program	8 Hours
10/23/08	Sexual Assault Investigations	7 Hours
04/20/10	PA Insurance Fraud Conference	12 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
08/09/10	Well Fire Control Incident Management	6 Hours
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
10/07/15	Fire Dynamics and Modeling	4 Hours
01/23/16	Origin Fire Persistence in Post Flashover Fires	4 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours
09/13/16	Electrical Evidence in Fire Investigations	12 Hours
06/17/17	2017 PAAI Annual Arson Seminar	32 Hours
11/15/17	Oxygen 101	2 Hours
12/01/18	Understanding Undetermined	3 Hours
12/09/18	Arc Mapping Basics	4 Hours
01/27/19	Origin and Cause	3 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
06/19/19	Investigating/Litigating Fire Loss Claims	8 Hours
01/25/20	Youthful Fire Setters and Firefighter Arsonists	4 Hours
01/26/20	Maternal Filicide	4 Hours
01/26/20	Field Interviews	4 Hours
05/05/20	Basic Electricity	4 Hours
05/06/20	Identifying Damage to Electrical Conductors	2 Hours
05/07/20	Introduction to Evidence	4 Hours
05/28/20	Alarm Control Panels	2 Hours
11/03/20	Physical Evidence at the Fire Scene	4 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours

01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
01/12/21	Investigating Motor Vehicle Fires	4 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours
04/27/24	Gas Explosions and Fires	8 Hours

Electricity and Electrical Systems

04/14/91	Essentials of Firefighting	48 Hours
05/17/92	Truck Company Operations	16 Hours
10/10/93	Vehicle Rescue	16 Hours
05/22/94	Building Construction	16 Hours
04/21/96	Fire Department Rescue	16 Hours
09/15/96	Bus Rescue	16 Hours
11/03/96	Fire – Arson Detection	16 Hours
02/02/97	Vehicle Fires	8 Hours
09/14/97	Farm Rescue	16 Hours
11/02/97	NFA Incident Safety Officer	16 Hours
05/08/98	Residential Dwelling Fires	30 Hours
04/25/99	Commercial and Large Structure Fires	30 Hours
08/15/03	Vehicle Rescue Technician	48 Hours
04/08/05	Arson Detection and Fire Investigation	30 Hours
09/02/05	Fire and Arson Investigation Electrical I	30 Hours
10/14/05	Manufactured Homes Fire Investigation	16 Hours
06/09/06	Fire/Arson Investigation (PAAI)	40 Hours
03/16/07	Electronic Surveillance (Class A Wiretap)	40 Hours
06/09/08	Fire/Arson Investigation (PAAI)	28 Hours
06/16/10	Vehicle Fires – Forensic Analysis	18.75 Hrs.
06/10/11	From the Fire Scene to the Court Room	24 Hours
11/16/11	Testifying as an Expert Witness	20 Hours
05/11/12	Post Blast Investigation	36 Hours
06/14/13	Vehicle Fires and Juvenile Fire Setters	24 Hours
10/31/14	Fire Arson Investigation Electrical II	35 Hours
07/26/16	NFPA 1033 and Your Career	2 Hours

09/13/16	Electrical Evidence in Fire Investigations	12 Hours
12/05/18	Explosion Dynamics	4 Hours
12/09/18	Arc Mapping Basics	4 Hours
06/17/19	Solar Photo Voltaic Systems	7 Hours
06/18/19	Lithium-Ion Batteries	7 Hours
05/05/20	Basic Electricity	4 Hours
05/05/20	Electrical Safety	3 Hours
05/06/20	Receptacle Fires	2 Hours
05/06/20	Identifying Damage to Electrical Conductors	2 Hours
05/08/20	Residential Electrical Systems	4 Hours
05/12/20	Introduction to Appliances	3 Hours
01/11/21	Motor Vehicles – Engine, Ignition, Electrical & Fuel	3 Hours
01/11/21	Vehicles – Transmission/Exhaust/Brake/Accessory	3 Hours
03/14/21	Motor Vehicle Fires Tier 1	8 Hours
06/24/21	Electrical Aspects of Fire Investigation	24 Hours