

Paul F. Ayres

2710 Winslow Drive, Leander, Texas 78641 | 214-549-0131 | paul.f.ayres@gmail.com

EDUCATION

PhD Student (Forensic Science - Arson & Explosives); Enrolled / In Progress
Oklahoma State University; Tulsa, Oklahoma

Master of Public Service and Administration; Graduated December 2019
Graduate Certificate (Homeland Security); Completed August 2019
Texas A&M University; College Station, Texas

BAAS (Emergency Management Administration); Graduated May 2017
West Texas A&M University; Canyon, Texas

AAS (Fire Science Technology); Graduated May 2011
Blinn College; Bryan, Texas

PROFESSIONAL EXPERIENCE

of Fire / Explosion Investigations: **265**

of Fatality Investigations: **20 Scenes; 32 Fatalities**

State Fire Marshal's Office of Texas – Investigations Division (Austin, TX)
Sergeant; June 2018 to February 2019; June 2020 to Present
Investigator; March 2016 to June 2018

Trinity Valley Community College – Fire Protection Technology Program (Terrell, TX)
Adjunct Instructor / Department Chair; October 2016 to Present

Williamson County Fire Marshal's Office (Georgetown, TX)
Assistant Chief; February 2019 to June 2020

Rockwall Fire Department (Rockwall, TX)
Firefighter/Inspector/Investigator; November 2013 to March 2016
Fire Intern; May 2010 to August 2010

Dallas Fire-Rescue Department (Dallas, TX)
Fire Rescue Officer; October 2011 to November 2013

VOLUNTEER EXPERIENCE

Kaufman County Fire Marshal's Office (Kaufman, TX)
Reserve Investigator; January 2013 to November 2013

Kaufman Fire Department (Kaufman, TX)
Volunteer Firefighter/EMT; October 2011 to November 2013

Brazos County Precinct 4 Fire Department (Bryan, TX)
Volunteer Firefighter/EMT; January 2011 to October 2011

PROFESSIONAL ASSOCIATIONS

International Association of Arson Investigators (IAAI)
National Association of Fire Investigators (NAFI)
Central Texas Fire Investigators Association (CTFIA)
Association of Certified Fraud Examiners (ACFE)
International Association of Bomb Technicians and Investigators (IABTI)
United States Bomb Technician Association (USBTA)
International Society of Fire Service Instructors (ISFSI)
Texas Community College Teachers Association (TCCTA)

PROFESSIONAL CERTIFICATIONS

International Association of Arson Investigators (IAAI)

Certified Fire Investigator (CFI)

National Association of Fire Investigators (NAFI)

Certified Fire and Explosion Investigator (CFEI)
Certified Vehicle Fire Investigator (CVFI)

Association of Certified Fraud Examiners (ACFE)

Certified Fraud Examiner (CFE)

Texas Commission on Fire Protection (TCFP)

Fire Inspector – Advanced
Plans Examiner I
Fire/Arson Investigator – Advanced
Structure Firefighter – Advanced
Wildland Firefighter – Basic
Driver/Operator – Pumper
Fire Officer I
Fire Service Instructor I (II & III courses completed, TCFP written test pending due to COVID-19)

Texas Commission on Law Enforcement (TCOLE)

Peace Officer – Advanced
Instructor

Texas Department of State Health Services (TXDSHS)

Licensed Paramedic

TEACHING EXPERIENCE

Trinity Valley Community College (traditional classroom and online LMS experience)

- FIRT 1353 – Legal Aspects of Fire Protection
Summer 2020
- FIRT 1349 – Fire Administration II
Summer 2020
- FIRT 1303 – Fire and Arson Investigations I
Spring 2020, Spring 2019, Spring 2018
- FIRT 1305 – Public Education Programs
Fall 2020, Fall 2019, Fall 2018, Fall 2017
- FIRT 1307 – Fire Prevention Codes and Inspections
Fall 2020, Fall 2019, Spring 2019, Spring 2018
- FIRT 1311 – Fire Service Hydraulics
Spring 2019
- FIRT 1315 – Hazardous Materials I
Fall 2018, Fall 2017
- FIRT 1319 – Firefighter Health and Safety
Spring 2020, Spring 2017
- FIRT 2309 – Firefighting Strategies and Tactics I
Spring 2017

State Fire Marshal's Office of Texas

- Report Writing for Fire and Explosion Investigations
July 2018, Georgetown, TX
September 2017, Kaufman, TX
- Basic Arson Investigations for Law Enforcement
April 2018, Bellville, TX
March 2018, Caldwell, TX
- Traffic and Crowd Management
April 2017, Rockwall, TX

Collin County Fire Investigators Association

- Analyzing Fatal Fires to Understand Victim Behavior
November 2020
- Forensic Fire Death Investigations Course
September 2020 – Instructor / Field Proctor
September 2019 – Field Proctor
September 2018 – Field Proctor

Williamson County Fire Marshal's Office (Georgetown, TX)

- Basic Fire Science; February 2020
- NFPA 1033 and Administrative Aspects of NFPA 921; December 2019
- TCFP Fire Investigator Certification Course; February 2019 to April 2019

Rockwall Fire Department (Rockwall, TX)

The Modern Fire: Faster and Hotter; March 2016
The Hidden Dangers of CSST; March 2016
Terrorism and CERT; January 2016
Fire Safety and Controlling Utilities; January 2016
Basics of the Incident Command System; October 2015
Hazardous Materials Awareness; July 2015
Preparing for Disaster Operations; April 2015
Special Events Contingency Planning; February 2015
Fire Scene Examination and Reconstruction; May 2014
Firefighter Rehabilitation; January 2014

PROFESSIONAL DEVELOPMENT: FIRE, EXPLOSIVES, & POST-BLAST INVESTIGATIONS

Blinn College

General Chemistry; Fall 2009
Firefighting Strategy and Tactics I; Fall 2009
Fire and Arson Investigation; Spring 2010
Fire Prevention Codes and Inspections; Spring 2010
Fire Administration I; Spring 2010
Firefighter Health and Safety; Spring 2010
Building Codes and Construction; Spring 2010
Fire Instructor I; Spring 2010

Building Officials Association of Texas

2015 IBC – Chapters 5, 6, 8, 10, 12, 24, 29, 30; May 2015
Access Control; May 2015

Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF)

Post-Blast Investigative Techniques; August 2018
Explosives Recognition for First Responders; May 2017
Public Safety Response to Explosive Incidents; February 2014
Critical Thinking and Analytical Techniques for Credible Origin Determinations; February 2014

CFI Trainer

Electrical Safety; August 2020
Fire Investigator Scene Safety; September 2018
The HAZWOPER Standard; September 2018
Fire Protection Systems; February 2018
Arc Mapping Basics; January 2018
Fire Chemistry; January 2018
Thermometry; January 2018
Post Flashover Fires; April 2016
Investigating Motor Vehicle Fires; April 2016
Motive, Means, and Opportunity; April 2016
Investigating Fatal Fires; April 2016
Understanding Fire through the Candle Experiments; April 2016

CFI Trainer (*continued*)

Scene Safety; April 2016
Fundamentals of Residential Building Construction; April 2016
Writing the Initial Origin and Cause Report; April 2016
Documenting the Event; October 2015
The Scientific Method for Fire and Explosion Investigations; October 2015
Ethics and the Fire Investigator; October 2015
The Practical Application of NFPA 1033 and NFPA 921; October 2015
NFPA 1033 and Your Career; October 2015

Collin County Fire Investigators Association

ATF BATS Training; October 2017
Forensic Fire Death Investigations Course; September 2016

Dallas Fire-Rescue Department

Basic Structural Firefighter; December 2011

Department of Homeland Security – Office of Bombing Prevention

Bomb-Making Materials Awareness Program Administrator Training; January 2020
Protective Measures Course; January 2020
Improvised Explosive Devices Counter-Terrorism Workshop; July 2015

Fire Certs

TCFP Fire Inspector; August 2010

Fire In Texas

TCFP Fire Instructor III; February 2020
TCFP Fire Instructor II; February 2020
TCFP Driver / Operator – Pumper; September 2015
TCFP Fire Instructor I; September 2013
TCFP Fire / Arson Investigator; June 2011

Fire Protection Association of North Texas

Understanding the Essentials of Effective Restaurant Fire Protection; September 2015
NFPA 13R Inspections and Plan Review Issues; September 2015
Fireworks – Regulations and Enforcement; May 2015
Two-way Communication Systems and Code Requirements; April 2015
NFPA 72 – 2013 Requirements; February 2015
Key Boxes and Locking FDC Caps; July 2014
NFPA 72 – 2013 Notification Requirement Updates; March 2014

Fire Smarts

NFPA 25 – Inspection and Testing of Water Based Systems; March 2015

Firefighter CE

Introduction to Wildfire Behavior; October 2018
Wildland Fire Suppression; October 2018
Effective Forcible Entry; September 2014

International Association of Arson Investigators

Expert Witness Testimony; November 2017

International Code Council

2012 IBC Means of Egress; June 2015
2012 IFC Performing Commercial Fire Inspections; September 2014

National Wildfire Coordinating Group

I-100: Introduction to ICS; September 2012
S-130: Firefighter Training; September 2012
L-180: Human Factors in Wildland Firefighting; September 2012
S-190: Intro to Wildland Firefighting; September 2012

Oklahoma State University

Computer Fire Modeling; Fall 2020
Electrical Theory and Failure Analysis in Forensic Fire Investigations; Fall 2020
Radio Controlled IEDs – Advanced Analysis and Mitigation; Fall 2020

Public Agency Training Council (PATC)

Arson Scene Search and Evidence Recovery; August 2017
Hands-On Vehicle Fire/Arson Investigation; July 2016
Fire Pattern Certification; March 2014

State Fire Marshal's Office of Texas

HAZWOPER; October 2018
Hazardous Materials Awareness; November 2017, October 2016
Science Advisory Workgroup and Case Review; August 2020, September 2017, May 2017
NFPA 921 – Chapters 3, 5, and 7; December 2016
Fire Analysis Tools for Fire Investigators; May 2015
Legal Considerations of Fire Investigations; December 2014
Smoke and Heat Detection Systems; May 2014
Keeping Up With the Dogs – Accelerant Detection Canines; December 2013

Tarrant County Fire and Arson Investigators Association

Burn to Learn: Live Fire Testing; February 2017
Line of Duty Death and Firefighter Fatality Investigations; May 2016

Texas A&M Engineering Extension Service (TEEX)

Gas Explosions; November 2017
Gang Related Arson; November 2017
Court Reporting; November 2017

Texas A&M Engineering Extension Service (*continued*)

Arson Case Management; November 2017
Metallurgy and Lab Analysis; September 2017, May 2017
Courtroom Ethics; September 2017
Case Organization; September 2017
Search and Seizure (Property and Evidence); May 2017
Household Wiring Components; May 2017
Post-Blast Investigation: Dallas PD Headquarters Case Study; January 2017
Courtroom Testimony – Expert Witness; January 2017
Report Writing; January 2017, January 2016
Investigator Respiratory Protection and Decontamination; January 2017
Introduction to NFPA 1033; November 2016
Fire Science; November 2016
Fire Chemistry; November 2016
Thermodynamics; November 2016
Thermometry; November 2016, April 2016
Fire Dynamics; November 2016
Explosion Dynamics; November 2016
Computer Fire Modeling; November 2016
Fire Investigation; November 2016
Fire Analysis; November 2016
Fire Investigation Methodology; November 2016
Fire Investigation Technology; November 2016
Hazardous Materials; November 2016, January 2015
Failure Analysis and Analytical Tools; November 2016
Fire Protection Systems; November 2016
Documentation, Collection, and Preservation; November 2016
Electricity and Electrical Systems; November 2016
Photovoltaic Systems; September 2016
Fundamentals of Fire Modeling and Expert Testimony; May 2016
Lightning Fire Investigations; April 2016
ASTM Standards; April 2016, September 2016
NFPA 921 Updates; April 2016
NFPA 10 Updates; February 2016
NFPA 556: Fire Hazards to Vehicle Occupants; January 2016
NFPA 1037: Fire Marshal Qualifications; January 2016
NFPA 1730 Updates; January 2016
Carbon Dioxide Monitoring; January 2016
NFPA 72 Updates – Fire Alarm Basics; December 2015
SFMO Licensing Updates; November 2015
National Association of Fire Equipment Distributors – Beyond the Tag; November 2015
TCFP Updates; November 2015
Emerging Topics in Fire Investigations; November 2015
Social Media and Fire Investigations; November 2015
Electrical Aspects – Using the Forensic Electrical Engineer; November 2015
TexFIRS and Fire Investigators; November 2015

Texas A&M Engineering Extension Service (*continued*)

Fire Pattern Recognition; November 2015
Investigating Lightning Related Structure Fires; November 2015
Complex Fire Scene Examination; November 2015
Youth Firesetting Prevention and Intervention – Level I; March 2015
Plans Review; January 2015
NFPA 13; January 2015
Smoke Alarms; January 2015
NFPA 72 – 2013 Updates; January 2015
Industrial Fire Brigade Training; September 2014
NFPA 1001 – Firefighter I & II; November 2010
Hazardous Materials Product Control; October 2010
Hazardous Materials Operations; October 2010
Hazardous Materials Awareness; October 2010

Texas Fire Protection Association

Solving Industry Challenges with Innovative Technologies; March 2019

Texas Railroad Commission

Propane Emergency Response; June 2010

Williamson County Fire Marshal's Office

Commercial Explosives; October 2019
Legal Aspects of Fire Investigations; May 2019

PROFESSIONAL DEVELOPMENT: LAW ENFORCEMENT

Association of Certified Fraud Examiners

Certified Fraud Examiner Course; August 2017

Capital Area Council of Governments (CAPCOG)

Crisis Intervention; August 2019

Central Texas Council of Governments (CTCOG)

Intermediate Crime Scene Investigation; July 2019
Interacting with Deaf/Hard of Hearing; June 2019
De-escalation Techniques; June 2019

East Texas Arson Investigators Association

Texas Legal Update; November 2017

North Texas Fire Investigator's Association

NFPA 3000: Standard for an Active Shooter / Hostile Event Program; June 2018

OSS Academy

Advanced Human Trafficking; March 2020
Body Worn Cameras; August 2019

OSS Academy (continued)

Child Abuse Prevention and Investigation; September 2018
Arrest, Search, and Seizure; September 2018
Spanish for Law Enforcement; September 2018
Use of Force; September 2018
Special Investigative Topics; September 2018
Missing and Exploited Children; September 2018
Civilian Interaction Training; September 2018

State Fire Marshal's Office of Texas

Defensive Tactics; May 2018
Firearms Training; November 2017
Basic Handgun / Stoppages; April 2017
Defensive Tactics; April 2017
Texas Penal Code; December 2016
Texas Rules of Evidence; December 2016
Code of Criminal Procedures – Chapter 18; December 2016
Defensive Tactics; May 2016
Patrol Rifle; May 2016

Tarrant County College

Basic Peace Officer I; Summer 2014
Basic Peace Officer II; Summer 2014
Basic Peace Officer III; Fall 2014
Basic Firearms; Fall 2014
Tactical Skills for Police; Fall 2014

Texas A&M Engineering Extension Service (TEEX)

Foundations of Forensic Photography; May 2019
Interview and Interrogation Fundamentals; January 2017
NICB – Overview of Investigator Resources; January 2016
Evidence and Scene Photography; January 2016
Search Warrants; January 2016
TCOLE Updates; November 2015
Human Trafficking; November 2015

Texas State University – ALERT

Civilian Response to Active Shooter Events – Train the Trainer; September 2018
Terrorism Response Tactics: Active Shooter Level I; June 2015

Williamson County Fire Marshal's Office

Evidence Collection Techniques; August 2019

PROFESSIONAL DEVELOPMENT: HOMELAND SECURITY

FEMA Emergency Management Institute

IS-015.b: Special Events Contingency Planning for Public Safety Agencies; January 2015
IS-075: Military Resources in Emergency Management; March 2012
IS-100: Introduction to Incident Command System; March 2007, Sept 2010, Nov 2011
IS-101.c: Preparing for Federal Disaster Operations; April 2015
IS-102.c: Preparing for Federal Disaster Operations: FEMA Response Partners; April 2015
IS-120.c: An Introduction to Exercises; November 2019
IS-200: ICS for Single Resources and Initial Action Incidents; March 2008
IS-230.d: Fundamentals of Emergency Management; January 2020
IS-235.c: Emergency Planning; November 2019
IS-240.b: Leadership and Influence; January 2020
IS-241.b: Decision Making and Problem Solving; January 2020
IS-242.b: Effective Communication; January 2020
IS-244.b: Developing and Managing Volunteers; January 2020
IS-317: Introduction to CERT; March 2012
IS-546.12: Continuity of Operations Awareness; October 2012
IS-547.a: Introduction to Continuity of Operations; October 2012
IS-700: National Incident Management System; April 2007
IS-701.a: NIMS Multiagency Coordination System (MACS); November 2011
IS-704: NIMS Communications and Information Management; November 2011
IS-775: EOC Management and Operations; March 2012
IS-800.b: National Response Framework; February 2011
IS-804: Emergency Support Function #4 – Firefighting; December 2008
PDS: Professional Development Series; January 2020

Louisiana State University – NCBRT/Academy of Counter-Terrorist Education

Critical Decision Making for Complex Coordinated Attacks; August 2019

Texas A&M University – Bush School of Government and Public Service

Fundamentals of Homeland Security; Summer 2018
Homeland Security Policies, Strategies, and Operations; Spring 2019
Terrorism in Today's World; Spring 2018
Weapons of Mass Destruction; Fall 2018
US Border Security; Summer 2019
Cybersecurity (Capstone); Summer 2019, Fall 2019
2019 Annual Pandemic Policy Summit; November 2019
2018 Annual Pandemic Policy Summit; Student Tabletop Exercise Participant; November 2018

Texas Division of Emergency Management

G-400: Advanced ICS for Command and General Staff; March 2018
G-300: Intermediate ICS for Expanding Incidents; March 2018
G-489: Management of Spontaneous Volunteers in Disasters; May 2015
G-428: CERT Train-The-Trainer; April 2015
G-317: Basic CERT Course; March 2012

U.S. Attorney's Office, Western District of Texas

Anti-Terrorism Training for Law Enforcement; May 2018

U.S. Secret Service

Protecting America's Schools; January 2020

West Texas A&M University

Risk Management; Fall 2015

Principles of Emergency Management; Spring 2016

GIS Technology in Emergency Management; Spring 2017

Williamson County Fire Marshal / Special Operations

Terrorist Use of Wildfires, Tabletop Exercise; February 2020

Hazardous Materials Response Drill, Chlorine Leak from CIKR; December 2019

Hazardous Materials Container Patching Techniques, Tabletop Exercise; November 2019

PROFESSIONAL DEVELOPMENT: PUBLIC-SECTOR LEADERSHIP

Texas A&M University – Bush School of Government and Public Service

Foundations of Public Service; Summer 2018

Quantitative Methods in Public Management; Fall 2017

Program Evaluation in Public and Nonprofit Organizations; Fall 2017

Public Policy Formation; Spring 2018

Budgeting in Public Service; Fall 2018

Public Management; Spring 2019

Economic Analysis; Fall 2019

Texas Fire Chief's Association

3rd Annual LODD Conference; October 2017

West Texas A&M University

Public Financial Administration; Fall 2015

Public/Nonprofit Marketing; Fall 2015

Public Personnel Administration; Spring 2016

Organizational Theory in the Public Sector; Summer 2016

Ethics in Criminal Justice and Emergency Management; Summer 2016

Public Relations; Fall 2016

Public Administration; Spring 2017

Administrative Law; Spring 2017

Quality Texas Foundation

Leadership Development; August 2019

Internal Coach/Examiner Training; August 2019

Strategic Planning; May 2019

Pre-examiner Training; April 2019

PUBLICATIONS

P. Ayres et al., "Cybersecurity Policy for Public and Private Sector Entities," 2019.
<https://cybersecurity.tamu.edu/research/publications/>.