

Robert Cox | Fire Investigator, NAFI - CFEI

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Professional Summary:

Mr. Cox joined the Kenilworth Volunteer Fire Department in 1991 at the age of 18, while being a senior in High School. He earned his Firefighter I and Firefighter II certifications and an associate degree in Fire Science and Technology, from Union County College. Before leaving the in 1999 he rose to the rank of Lieutenant and won a lifesaving award from the Borough of Kenilworth.

Mr. Cox was hire by the Kenilworth Police Department in 1999 and attended the John H. Stamler Police Academy. After graduating he was assigned to the Patrol Division. In 2002 Officer Cox joined the Union County Fire Investigation Unit. In 2003 he completed the IAAI 80-hour basic fire investigation course.

Mr. Cox was a member of the County Fire Investigation Unit from 2002 to 2011. In 2006 he became a Team Leader, in which he oversaw numerous investigations. He then went on to earn his NAFI CFEI certification. In 2020 he was reassigned to the Union County Fire Investigation Unit and serves on it to this date.

During Mr. Cox 25-year career with the Kenilworth Police Department, he attended numerous professional development classes. He attended Crash I given by North Western College and investigated numerous major accidents in the Borough. He also attended Interview and Interrogation course given at the Stamler Police Academy. In 2018 Officer Cox was promoted to the rank of Sergeant and was assigned to the patrol division. In 2021 he was promoted to Lieutenant and assigned to the patrol division.

In 2020 he earned his UAS Remote Pilot's License and became the Commander of the Kenilworth Police Department Drone Program, which he started. He oversaw training the drone pilots and updating the Departments SOP.

In 2018 he rejoined the Kenilworth Volunteer Fire Department as an Auxiliary Members and continues to volunteer to this day.

Licenses and Certifications:

Certified Fire and Explosion Investigator, CFEI, # 9511-4495

Certified Instructor, International Association of Arson Investigators

UAS Remote Pilot License, #4517778

Certified Fire Investigation Technician, IAAI-FIT

Professional Experience:

Kenilworth Volunteer Fire Department, Fireman, Lieutenant, 1991-1997, 2018-Present
Kenilworth Police Department, Lieutenant, 1999 to 2024

Specialized Education:

Ethics & Social Media, CFI Trainer- 2/2024
Arc Mapping Basics, CFI Trainer- 2/2024
NJ 2024-AGM, IAAI, 3/2024
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, CFI Trainer- 3/2024
Motor Vehicles: Transmissions, Exhaust, Brake, and Accessory Systems, CFI Trainer- 3/2024
Electric & Hybrid Vehicle Fires, CFI Trainer- 3/2024
Fire Investigation continuing education CFI Trainer.net classes:
DNA- 12/2023
Evidence Examination: What Happens at the Lab- 12/2023
Process of Elimination- 09/2023
Fire Effects Part 1: Heat Effects on Fuels- 06/2023
NFPA 1033 & 921: 2022/2021 Editions Important Updates- 5/2023
Basic Electricity- 3/2023
Understanding Fire Through the Candle Experiments- 01/2023
Physical Evidence at the Fire Scene- 01/2023
Ste Safety Assessment- 01/2023
Residential Natural Gas Systems- 12/2022
Writing the Initial Origin and Cause Report- 12/2022
NFPA 1033 and Your Career- 08/2022
Vacant and Abandoned Buildings: Hazards and Solutions- Origin 4/09, Refresh 8/22
Lithium-Ion Battery Fires- 09/2022
Insurance and the Fire Investigation- 05/2022
The Scientific Method for Fire and Explosion Investigation- 05/2022
Understanding Undetermined- 05/2022
Introduction to Evidence- 05/2022
Investigating Motor Vehicle Fires- 05/2022
Charting Your Career Path in Fire Investigation- 04/2022
Critical Evaluation and Testing of Commonly Reported Accidental Causes- 04/2022
Documenting the Event- 04/2022
Effective Investigation and Testimony- 04/2022
Ethics and the Fire Investigator- 04/2022
Explosion Dynamics- 04/2022
Fire Chemistry- 04/2022
Fire Flow Analysis- 04/2022
Fire Investigator Scene Safety- 04/2022
Fundamentals of Interviewing- 04/2022
UL Firefighter Safety Research Institute:
Impact of Horizontal Ventilation on Fire Behavior- 01/2023
Suppression Tactics in Single-Family Homes- 02/2023
Science of Fire and Explosion Hazards from Lithium-Ion Batteries- 03/2023
New Jersey International Association of Arson Investigators:

80 hours Basic Fire/Arson Investigation Course- 06/2003
NJ Division of Community Affairs, Division of Fire Safety:
Fire Investigator Certification (199049)- 04-2022 to 04/2025
Instructor Development- Local Delivery- 02/2023
Fire Investigator Meeting- 01/2023
Local Delivery CEU's: Fire Investigator- 08/2022
Instructor Development- Local Delivery- 08/2022
Local Delivery CEU's: Fire Investigator- 06/2022
Local Delivery CEU's: Fire Investigator- 06/2022
Explosives & Explosive Effects (E&EE)- 06/2022
New Jersey Fire Investigation Symposium- 05/2010
New Jersey Fire Investigation Symposium- 04/2009
NJ Division of Criminal Justice, Arson Investigation In-Service Course- 06/2005
NJ Division of Criminal Justice, Arson Investigation In-Service Course- 03/2004
PA Association of Arson Investigators:
Residential Electrical Systems & Appliances: The NEC & Fire Causation- 10/2023
Fatal Fire Investigations- 10/2023
Expert Deposition & Trial Testimony in Fire Litigation- 10/2023
The Use of Forensic Toxicology in Fire Death & Injury Investigation- 10/2023
The 1995 Bricelyn Street Fire: Case Conclusion- 10/2023
FAA Aviation Safety:
Part 107 Small Uas Recurrent Course ALC-677- 05/2023
Kenilworth Volunteer Fireman 04/1991 to 01/2000 and 04/2018 to Present:
Fire Fighter I – 09/1991
Fire Fighter II – 05/1997

Education:

Associate of Applied Science, Fire Science Technology, 05/1997