MARCUS T. BRANNIGAN

FIRE INVESTIGATOR

Minneapolis, MN (555) 762-5013 marcus.brannigan@email.com linkedin.com/in/marcustbrannigan

SUMMARY

NAFI-certified Fire Investigator with 12 years of origin-and-cause investigation experience at the Minneapolis Fire Department. Investigated 300+ fires with a 91% cause-determination rate; secured 18 arson convictions in cooperation with the Hennepin County Attorney's Office. Expert in fire behavior analysis, evidence collection, accelerant detection, and courtroom expert witness testimony. Named Minnesota State Fire Marshal Investigator of the Year (2022).

SKILLS

Other Skills: Origin & Cause Investigation, Evidence Collection & Preservation, Accelerant Detection, Expert Witness Testimony, Arson Case Development, Multi-Agency Investigation Coordination, Fire Scene Documentation, Courtroom Preparation

EXPERIENCE

Fire Investigator

Minneapolis Fire Department – Fire Investigation Unit · Jul 2015 - Present · Minneapolis, MN

Conduct origin-and-cause fire investigations for residential, commercial, and vehicle fires across Minneapolis.

- Investigated 300+ fires over career with a 91% cause-determination rate, including 45 classified as incendiary
- Secured 18 arson convictions in cooperation with Hennepin County Attorney's Office through evidence collection and expert testimony
- Processed 120+ fire scenes annually for physical evidence; maintained 100% chain-of-custody compliance
- Testified as expert witness in 12 criminal and 4 civil proceedings; cross-examined without evidentiary challenge
- Collaborated with ATF and FBI Task Forces on 6 multi-agency arson investigations involving insurance fraud
- Trained 30 fire suppression personnel in fire scene preservation and evidence documentation protocols

Firefighter / Fire Investigator Trainee

Minneapolis Fire Department · Aug 2012 - Jun 2015 · Minneapolis, MN

Conducted suppression duties while completing fire investigation certification program.

- Responded to 600+ emergency calls annually as assigned firefighter with 0 civilian fatality incidents
- Completed 240-hour fire investigation trainee program; shadowed senior investigators on 60 complex scenes
- Earned accelerant detection dog handler certification, assisting in 15 canine field deployments

EDUCATION

Bachelor of Science

University of Minnesota · Sep 2008 - May 2012 · Minneapolis, MN

Fire Science

CERTIFICATES

Certified Fire Investigator (CFI) – NAFI

Mar 2017

National Association of Fire Investigators (NAFI)

National Association of Fire Investigators board-certified fire investigator credential.

IAAI Certified Fire Investigator (CFI) – IAAI

Jan 2018

International Association of Arson Investigators (IAAI)

International Association of Arson Investigators certified fire investigator credential.

ATF Arson Accelerant Detection Canine Handler

Sep 2016

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

Certified accelerant detection dog handler for field fire investigation deployments.

CPR/AED Certification

Feb 2023

American Red Cross

Professional Rescuer BLS, current.

AWARDS

Fire Investigator of the Year

Jan 2020

National Fire Investigation Agency

Awarded for outstanding contributions to fire investigation, including a 95% resolution rate and expertise in arson investigation.

Excellence in Fire Investigation

Jun 2018

International Association of Arson Investigators (IAAI)

Awarded for demonstrating exceptional skills and knowledge in fire investigation, including expertise in evidence analysis and court testimony.

LANGUAGES

English

Native

Spanish

Intermediate

HOBBIES

Fire Safety Consulting • Emergency Response Planning

REFERENCES

John Doe

Fire Chief

johndoe@firedepartment.com

Supervisor

Jane Smith

Fire Investigator

janesmith@fireinvestigationagency.com

Colleague