



**Angola Fire Department Proudly Presents**

**Samuel Hittle, Lieutenant, Wichita Fire(KS)**

**Firefighter Friendly Thermal Imaging**

**&**

**Forcible Entry Wins are in the Details**

**Saturday, March 24, 2018**

07:00 – 08:00 Sign-in Time / 08:30 – 16:30 Class Time

**Angola High School Auditorium**

350 South John McBride Avenue (US Highway 20 East)  
Angola, Indiana 46703

**Course Fee: \$55.00 per Student**

Fee Includes: A Great Class, Continental Breakfast, Lunch, and Certificate

Please Register by March 16, 2018



Instructor Biography, Class Descriptions, and Registration Form are on the following pages.

## **Instructor Bio:**



Samuel Hittle is a Lieutenant with Wichita Fire. He has an Associates in Fire Science, he is an FDIC, Traditions Training, and Wichita HoT Instructor, FDIC Lecturer, contributing author for Fire Engineering, Urban Firefighter, and Fire Rescue, Fire Nuggets, and FiRescue Interactive publications, is a two time Firehouse Magazine Heroism Award recipient (2012 and 2015), Kansas State Fire Marshall Tom McGaughey Award Recipient, Wichita Fire Department Firefighter of the Year, Wichita Fire Truck Company Coordinator, served on the Interior Attack Technical Panel for UL, and a member of the Fire Department Instructors Conference (FDIC) Executive Advisory Board.

## **Class Descriptions:**

### **Firefighter Friendly Thermal Imaging**

#### **(Do you really know what your camera does and how it works?)**

Thermal imaging is one of the most misunderstood disciplines on the fire ground today. Too often, fire fighters with this tool in hand, approach their tactical objectives believing that the camera will execute the necessary thinking to derive at the critical information needed for success. Regrettably, this is not the case. The camera is only capable of performing interpretations within its inherent limitations. The technician is responsible for the critical thinking required to conclude what is truly occurring on the fire ground. It is vital that fire fighters using a camera understand and appreciate both its capabilities and limitations to successfully assess conditions for positive mitigation. The basics, such as white is hot, black is cold, and victim identification will be fast and easy are lies without imager comprehension, training, and drilling. Unfortunately, this is the extent of thermal imager knowledge most of the fire service is operating with today. This class will address how to efficiently utilize thermal imager technology in all facets of the fire ground including structural size up, extent of fire conditions, interior size up, suppression, hybrid search techniques with and without rope support, exterior search pitfalls, ventilation, reading smoke from the interior vantage point, overhaul, smells and bells alarms, and hazmat. It is easy to appreciate what the camera can do. To be efficient and successful we must talk about what it can't do. Only when we recognize the limitations, operate competently with the capabilities, and recognize the camera is there to help us do more, not less, at our fires will we enhance our tactical decisions.

## **Forcible Entry Wins are in the Details**

Why are some forcible entry attempts efficient while others embarrassing? The answer is in the details. Setting forks, running a saw, and merely striking are not enough to ensure a win. It takes more than that. Success requires knowledge of the system being defeated, familiarity with tool potential, and understanding basic physics concepts (levers, force multipliers, torque, impulse, inertia, vectors). This class will demonstrate non-evasive and evasive methods for windows, residential and commercial doors, overhead doors, hinges, padlocks, magnetic locks, high-density commercial systems, window bars, glass block, shearing, boarded openings, and more. Techniques for the above mentioned will be shown in varying circumstances they are encountered including hand tools only, saw capabilities, single firefighter, or as a company. Numerical evidence and video will justify why details like body positioning, tool placement and alignment, striking techniques, and exploiting system flaws matter.

### **Contact Information:**

Angola Fire Department  
202 West Gilmore Street  
Angola, Indiana 46703  
(260)665-5555


Ray Harvey: [rharvey@angolain.org](mailto:rharvey@angolain.org)


## **Samuel Hittle, Lieutenant, Wichita Fire(KS) 2018 Registration**


Please print clearly and how you would like it to appear on your certificate


Please register no later than March 16, 2018


 Name: \_\_\_\_\_


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Department Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

County: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone #: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Cell Phone # (in the event of a last minute change) \_\_\_\_\_

Amount Paid: \_\_\_\_\_ Check #: \_\_\_\_\_

(Or)

Amount to bill your department: \_\_\_\_\_ P.O. #: \_\_\_\_\_

Do you need an Invoice? Yes \_\_\_ No \_\_\_

Email to: \_\_\_\_\_

Mailed \_\_\_ To address above \_\_\_

Or Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

No refunds after March 16, 2018

If a Firefighter can't attend, another Firefighter can take their place.

Please make checks payable to:

**Angola Professional Firefighters Local 3962  
202 West Gilmore Street, Angola, Indiana 46703**