

# sUAS LEVEL I THERMOGRAPHY CERTIFICATION

May 12 - 15, 2020 Thief River Falls, MN



## DESCRIPTION

The ITC sUAS Level 1 Thermography Certification course is geared to the individual or corporation wanting focused training on aerial IR inspections and applications. This 4-day course is designed for the sUAS pilot who needs the background, skills, and knowledge to properly capture and interpret thermal images. Topics include: infrared science, a solid basis in a wide variety of popular applications, sUAS safety, and how to select the proper camera and lens combination for your needs. Learn from the leaders in the industry how the cameras function, as well as how to get the best image from your camera. This course will show you the powerful application of thermography from the air, and the limitless applications that surround this exciting new platform. Attendees who complete all training course requirements and a thermography field assignment will receive an sUAS level 1 Infrared Thermography certification that is recognized by industry professionals.

- Apply thermography theory, science and techniques, including interpretation of radiometric survey results specific to aerial applications.
- Learn how to plan your flight's altitude and range-to-target so that you can get accurate thermal information about your target of interest.
- Familiarize yourself with sUAS anatomy and inspection points.
- Understand sUAS IR solutions and specifications to make informed decisions as to what platform and IR cameras are best for your application.
- Maximize post processing software for image analysis, report generation, and video editing.

\*In this course we will try to demonstrate some of the aerial thermography concepts taught in the classroom during in-flight exercises. However, our ability to fly may be impacted by local airspace, weather, facility, permission, and other unforeseen circumstances\*

## DATES

May 12, 2020	8:00 a.m. - 5:00 p.m.
May 13, 2020	8:00 a.m. - 5:00 p.m.
May 14, 2020	8:00 a.m. - 5:00 p.m.
May 15, 2020	8:00 a.m. - 2:00 p.m.

## LOCATION

National Center for Autonomous Technologies  
Northland Community and Technical College  
Aerospace Campus  
13892 Airport Drive  
Thief River Falls, MN 56701

## COST

\$1,995

\*NCAT is offering FREE registration for 8-12 approved applicants and will reimburse up to \$800 in travel costs. To apply, visit <https://www.surveymonkey.com/r/sUAS-L1ThermographyCert>

## REGISTRATION

Visit [www.infraredtraining.com](http://www.infraredtraining.com) to register

## FOR MORE INFORMATION, CONTACT

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