

# Unmanned Aircraft Systems Workshop for Professionals



The University of Vermont

Elevate your career learning from one of the nation's most experienced UAS teams. In 2020, the University of Vermont's popular UAS workshop is back and going virtual. Over the course of two weeks, you will learn everything you need to implement drone technology in your organization and carry out advanced data processing and analytics.

## DATES

August 3-14  
Monday-Friday

## TECHNOLOGY

All you need is a computer and a broadband internet connection. You will be provided with a virtual desktop containing all the software you need for the course.

## FORMAT

1-hour daily virtual meeting  
Self-paced exercises (1-2 hours/day)



## TOPICS & TECHNIQUES

- Organizational considerations for UAS
- Regulations
- Safety procedures
- Implement flight checklists
- Risk management & mitigation
- Platform & sensor selection
- Flight planning
- Quadcopter flight operations
- Fixed-wing flight operations
- Infrastructure inspection
- Wide-area mapping
- Photogrammetric processing of drone data using Pix4D
- 3D modeling
- UAS data analysis using ArcGIS
- Integrating drone data into web apps using ArcGIS Online
- Multispectral image analysis
- Thermal image analysis



Safety and regulations



Flight operations



Image processing



Geospatial analysis



3D visualization



Applications



Watch the overview video  
<https://youtu.be/XSPpYHtVeJ4>

## INSTRUCTOR

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