

Unoccupied Aircraft Systems Workshop for Professionals



The University of Vermont

Elevate your career learning from one of the nation's most experienced UAS teams. In 2022, the University of Vermont's popular UAS workshop is back with hybrid online and in-person training! Over the course of three weeks, you will learn everything you need to implement drone technology in your organization, safely and effectively collect data with drones, and carry out advanced data processing and analytics.

DATES

August 1-19, 2022

In-person flight school (optional)

August 15-17

TECHNOLOGY

You will be provided with a virtual Windows desktop containing installations and licenses of the software you will use in the course. To connect, you'll need a computer and broadband internet connection.

FORMAT

- 1-hour daily virtual meetings
- Self-paced exercises (1-2 hours/day)
- 3 days of optional in-person flight school held on UVM campus



TOPICS & TECHNIQUES

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



Safety & regulations



Flight operations



Image processing



Geospatial analysis



3D visualization



UAS applications



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

INSTRUCTOR

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