

CYBERSECURITY FOR DRONES (UNCREWED AIRCRAFT) PROGRAM UAS-6500

Prepare your students to challenge the USI Cybersecurity for Uncrewed Aircraft Systems (UAS) Certification. This course will teach students the general tenets and processes involved in cybersecurity and how they apply to UAS environments.

Students will study the NIST Cybersecurity Frameworks (CSF) and practice pentesting processes against both the uncrewed aircraft and its supporting infrastructure. Finally, they will implement defensive techniques and strategies to mitigate cyber attacks.

This course uses the Marcraft Drone Technology Essentials System, which features a tethered uncrewed aircraft, a computer-based ground control station and a hand-held flight controller. The UA can safely rise, descend, tilt and rotate on its tether in response to commands issued from the hand-held controller or the ground control station.

CERTIFICATIONS:



USI Cybersecurity for Unmanned Aircraft Systems
Certification

Not Just a Simulation! Hands-on Labs Perform the Following Activities:

- GPS Spoofing Attacks
- Control Signal Capture Attacks
- Aerial Surveillance and Monitoring
- Jamming and Spoofing Disruptions of
Communications Systems
- Wireless Network Security Testing and Data
Interception
- Penetration Testing Theory and Applications
- AND MUCH MORE!**

The Marcraft Cybersecurity for Drones (Uncrewed Aircraft) Course covers these topics:

- Uncrewed Aircraft Systems
- Cybersecurity Fundamentals
- Risk Management
- UAS Penetration Testing
- UAS Cyber Attacks
- UAS End Point Security
- UAS Data and Network Security
- Incident Response and Disaster Recovery
- AND MUCH MORE!**



INCLUDES:

UAS-6500	Cybersecurity for Drones Panel & Gimbal Mounted Drone
UAS-60PC	Gaming-Quality Computer
UAS-65SIM	Simulator Seat (Includes Software & Flight Controller)
UAS-650SET	2 Sets of the Cybersecurity for Drones Textbooks & Lab Guides
UAS-600IG	Instructor's Guide with PowerPoint Presentation Media (1 Per Classroom)



ACCESSORIES:

UAS-65SIM	Additional Simulator Seats (Includes Software & Flight Controller)
UAS-60EXP	UAS-6000 Expansion Board & 2 Sets of FAA Part 107 Certification Course Text Books & Lab Guides
UAS-650SET	Additional Sets of Cybersecurity for Drones Textbooks & Lab Guides
MC-CAB	Rolling Cabinet