



Course Prefix/Number/Title: UAS Industry Bootcamp – Pre-Camp Online Course Syllabus

Number of Credits: N/A

Course Description: This online course is designed to give foundational knowledge in drone flight and prepare students for an in-person industry sUAS Boot Camp.

Pre-/Co-requisites: None

Course Objectives: Upon successful completion of this course participants will be able to:

- Understand many current FAA regulations related to unmanned aircraft.
- Identify appropriate airspace using sectional charts.
- Assess risks from various sources, such as weather, airspace, equipment, and surrounding areas.
- Understand various care and maintenance requirements for your UA
- Identify what to look for in purchasing a drone and/or software

Instructors for this Course		
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Course Schedule: Online, April – May at participants own pace, to be completed before in-person programming May 13 – 14, 2025

Textbook(s): All materials will be provided throughout the term of this course

Course Requirements: This is an introductory course. Participants are expected to listen to recorded lectures and participate in discussions and knowledge checks in a timely manner.

Tentative Course Outline:

Module	Topic	Tasks Due	Due Dates
Welcome Aboard	Welcome Aboard Getting to know the course	• Watch Welcome Video • Explore the content pages and get familiar with Blackboard	April 7 th
Section 0	First Steps	• Read over Course Syllabus • Take the TRUST Exam • Take the Pre-Course Knowledge Check	April 11 th
Section 1		• Watch lectures • Explore knowledge slides	

	FAA Regulations and Operating Limits	• Take the Knowledge Check • Participate in the Discussion Board	April 18 th
Section 2	Weather and Drone Capabilities	• Watch lectures • Explore knowledge slides • Take the Knowledge Check • Participate in the Discussion Board • Take the METAR / TAF Quiz	April 24 th
Section 3	UAS Care, Performance, and Maintenance	• Watch lectures • Explore knowledge slides • Take the Knowledge Check • Participate in the Discussion Board	April 30 th
Section 4	Sensors, Data, Software	• Watch lectures • Explore knowledge slides • Take the Knowledge Check • Participate in the Discussion Board	May 5 th
Section 5	Ready to Fly – Next Steps	• Reading – How to get a Remote Pilot's License	May 9 th