UAS 260 - AEROSONDE UAS GROUND TRAINING

Course Description

This ground school and simulator course will provide the foundation training on the Textron Aerosonde UAS platform, one of the leading UAS platforms in the U.S. Students will learn the systems and operational procedures along with in-depth simulator training that will prepare them for the Aerosonde UAS Flight course. Group 2 course.

Credit Hours

4

Contact Hours

5

Lecture Hours

3

Lab Hours

2

Required Prerequisites

UAS 255

Course Learning Outcomes

Knowledge:
- Define the capabilities of the Aerosonde Textron system.
- Identify Aerosonde ground school and simulator components.

Application:
- Develop flight and thinking skills through on-ground flight simulations.
- Apply complex UAS course concepts to real life scenarios.
- Prepare an Aerosonde simulation flight course.
- Operate complex UAS in a simulated environment.

Integration:
- Connect decision making processes and problem solving skills with a variety of flight conditions and scenarios.
- Integrate flight skills and coordination with flying and building exercises.

Human Dimension:
- Critically reflect upon skills, knowledge and abilities necessary to succeed in the UAS industry.

Caring - Civic Learning:
- Demonstrate how decision making and personal actions impact aircraft, sensors and people on the ground.
- Recognize the need for ensuring aviation safety and public perception of the unmanned aircraft industry.

Learning How to Learn:
- Construct knowledge about course content and training professionals receive while working for a large UAS manufacturer.
- Reflect upon the preparation and professionalism needed for an occupation in the field.

- Self-assess personal skills and knowledge in order to identify deficiencies.