

UAS 261 - AEROSONDE UAS FLIGHT TRAINING

- Self-assess personal skills and knowledge in order to identify deficiencies.
- Connect complex UAS operations to Department of Defense contract work in the industry.

Course Description

This hands-on flight course allows students to earn a manufacturer's certification from one of the leading UAS platforms manufacturers in the U.S. Students will participate in live flight training utilizing the Aerosonde Small UAS platform, a leading platform currently operated for U.S. Department of Defense customers around the globe. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

UAS 260 or AVG 260

Course Learning Outcomes

Knowledge:

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

Application:

- Apply UAS course concepts to live flight training scenarios.
- Operate complex UAS in a controlled environment.
- Students will apply complex UAS course concepts to real life scenarios.
- Evaluate flight situations and possible outcomes.

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.