

# UAS 261 - AEROSONDE UAS FLIGHT TRAINING

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- 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.