

ENT 134: UAS Operations

This course consists of lectures, simulator instruction and flight operation demonstrations, specific to unmanned aerial systems (UAS), in depth introduction to FAA Part 107 rules and regulations, associated theory, procedures, requirements and operating concepts, as well as actual hands-on flight training in the UAS Flight Lab, with an emphasis on safety of flight. Lectures will cover topics in UAS: aerodynamic theory, operations theories and techniques, platform categories, sensors and payloads, technical documents and processes of automation. Students will observe and participate in flight operations on various UAS platforms. This course will also provide students with the knowledge base required to effectively prepare for the FAA Part 107 Commercial Unmanned Aircraft System UAS Remote Pilot certification.

Credits: 3

Lab Hours: 0

Lecture Hours: 3

Prerequisites:

As required by program.

Program: [Engineering Technology](#)

Semester Offered:

Spring