

# AVIT250 : sUAS Maintenance & Repair

Students learn the necessary knowledge and mechanical dexterity for the troubleshooting and repair of a variety of technical, electronic, and mechanical problems on a less than 55 pound unmanned aircraft system. Lecture and laboratory topics include sUAS maintenance, identification of system components, payloads, aircraft modification, part installation, hand-held ground control station maintenance, battery maintenance, radio frequency, basic soldering, safety inspections, test flights, software updates, and recordkeeping and checklist writing.

**Credits** 4

**Lecture Hours** 3

**Lab/Clinical/Field Study Hours** 3

**Prerequisites**

ENGR125 (may be taken concurrently)