DRONE REPAIR AND MAINTENANCE
Certificate

The Certificate in Drone Repair and Maintenance is primarily designed and intended to prepare students to repair and maintain unmanned aerial systems. The small Unmanned Aircraft Systems (sUAS) certificate will concentrate on the maintenance and repair of the components of unmanned systems to include: unmanned aerial vehicles (UAVs), ground control stations (GCSs), battery maintenance, understanding the function of data links or the communication/guidance system between vehicle and satellites (line of sight), and a basic understanding of computer networks and their functionality within UAS. Courses are designed to create a skilled UAS Maintenance Technician with a broad understanding of commonly used UAS platforms at the functional level.

Curriculum Requirements   **Credits:**   **6**

☐	ENG 140	English Composition I	3
☐	MAT 104	Technical Mathematics	3

Career Courses   **Credits:**   **24**

☐	UAS 101	Unmanned Systems	3
☐	UAS 105	Remote Pilot Operations	3
☐	UAS 106	Unmanned Aircraft Systems Safety & Security	3
☐	UAS 108	UAS Maintenance & Repair	3
☐	UAS 110	Introduction to DC & AC Circuits & Electronics	3
☐	UAS 208	Advanced UAS Systems, Robotic Assembly & Operational Performance	3
☐	UAS 209	UAS Photogrammetry, Remote Sensing & Analysis	3
☐	UAS 211	Introduction to Robots & Programming	3

Total Credits Needed for Certificate   **30**