UNMANNED AIRCRAFT TECHNOLOGY

This Associate of Science degree in Unmanned Aircraft Technology is designed to prepare students to enter the workplace with new skills to enhance their current positions and create new opportunities in the field of Unmanned Aircraft Technology. The required and elective courses provide students the ability to apply skills through hands-on experience working directly in both public and private sector organizations. Students demonstrate the skills necessary to manage and plan flight operations, collect data, and process imagery for analysis. Students also have the opportunity to develop skills that they can apply in multiple applications including agriculture, natural and cultural resources management, emergency response, aerial videography, and photography. Students will prepare for and complete practice exams for the FAA Part 107 exam. Potential careers for students upon completing the certificate are UAS Remote Pilot, UAS Maintenance Technician, UAS Avionics Technician, Aerial Videographer, and Image Analyst Technician.

Upon successful completion of this program a student will be able to:

- Demonstrate basic knowledge of aircraft systems, including airframe, power plants, and flight instruments.
- Demonstrate basic knowledge of aircraft systems, including fixed-wing and rotor-wing UAS systems.
- Demonstrate image analysis techniques with Unmanned Aircraft derived images.
- Select the correct aircraft and sensor to accomplish the data collection mission.
- Demonstrate basic knowledge of the National Airspace and all of the FAA regulations regarding drone use in the United States.