

Course Schedule

The program's courses are independent of each other. Learners can enroll in a singular course or the entire certificate program, depending on their interest.

UAS 105 – Introduction to Unmanned Ariel Systems

Credits: 3

Dates: 1/8/2024 – 2/18/2024

Description: The course covers the foundation of Unmanned Aerial Systems (UAS). Topics will include the history of UAS, classes, UAS systems, regulations governing UAS, industry and societal implications, mission planning basics, types of sensors, and hands-on experience with the components required to operate a small UAS.

UAS 110 – Image Analysis and Visualization

Credits: 3

Dates: 2/19/24 – 3/31/2024

Description: This course will develop image analysis skills to allow students to create 3-D visualization for 3-D modeling. These visualizations are used to analyze the subjects of the imagery acquired using Unmanned Aerial Systems.

UAS 101 – Pilot Ground School

Credits: 2

Dates: 4/1/2024 – 5/10/2024

Description: The course will provide the FAA's background requirement and working knowledge in subject areas, including aeronautical decision-making, aircraft performance, weather, navigation, flight planning, and aviation regulations leading to pilot certification. Individuals with the FAA 107c license may seek a prior learning assessment to receive credit for this course.