DRONE PILOTING AND SPATIAL DATA ANALYTICS MICROCREDENTIAL

This program is focused on unmanned vehicle piloting, aerial data acquisition, and spatial data analytics. Students will learn to pilot a drone to collect and analyze data such as LiDAR (Light Detecting and Ranging for Elevations), Multi-Spectral Data, in the Red, Green, and Blue spectrum (for true color), as well as near infrared range, and thermal range bands. These processes are used extensively in industry, utilities, crime scene investigations, and emergency management field operations. After completion of this program, students will be prepared to sit for the FAA Part 107 exam.

Course	Title	Credits
GY 208	Introduction to Digital Mapping and GIS	3
GY 302	Remote Sensing	3
GIS 408	Drone Piloting and Mapping	3
Total Hours		**9**