



# Propelling Students to Success: Integrating Unmanned Aerial Vehicle (UAV) Data Analysis with Geospatial Technology

**Project goal:** Meet industry needs for technicians with the knowledge, skills, and abilities necessary to succeed in the high-tech UAV data analytic industry by infusing those competencies into the Geospatial Science and Technology program at OCC and by strengthening educational pathways in the field for high-school students and incumbent workers.

## Project Objectives

**Identify** knowledge, skills, and abilities (KSAs) necessary for UAV data analytics technicians

**Modify** existing GST program to reflect UAV-data analytics industry KSAs

**Recruit** students into the revamped GST program with UAV-data analytics focus to broaden participation in the field

**Collaborations and Partnerships** Syracuse City School District, GeoTech Center, Ramboll, Northeast UAS Airspace Integration Research (NUAIR), Syracuse Research Center, National Grid, C&S Companies, SUNY Cortland

The **target student population** attends the Public Service Leadership Academy at Fowler High School. This school has 83% of its students qualifying for free lunch and classified as “economically disadvantaged” by the New York State Department of Education.



In the photo: A BILT member demonstrates UAV data collection and processing demonstration for OCC students

## Year 1 Project Highlights

**Virtual DACUM meeting** with BILT and industry experts and practitioners to develop KSA chart even while distant

**Virtual GIS Day** (co-hosting with the GeoTech center) to engage high-school students and community members and promote geospatial technologies