A.A.S. degree in Geospatial Information Science Tech (GIST)
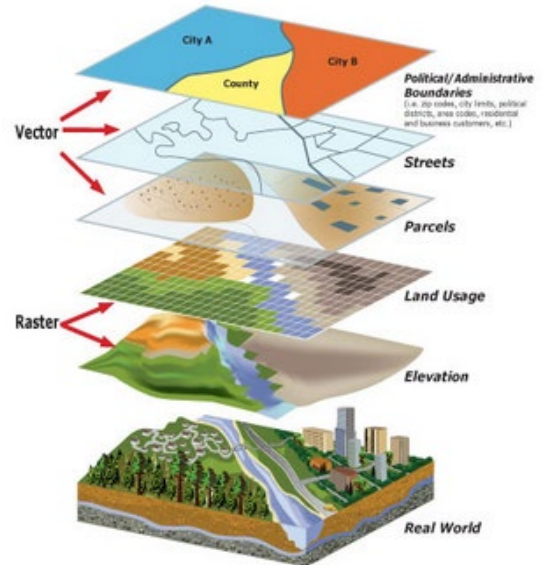
What is GIST?

Geospatial Information Science & Technology (GIST) is a growing field of study that includes Geographic Information System (GIS), Remote Sensing (RS), drones, and Global Positioning System (GPS). GIST allows us to acquire data and use it for analysis, modelling and visualization. GIST is a part of everyone's daily life (finding nearest restaurant) to marketing, politics, and environment.

Salary? What do GIST Professionals do?

Projected growth* through 2028 is faster than average. Median wage† for mid-career $50-88K/yr.

Potential employers include: EagleView, LaBella Associates, Esri, NY City, Town of Oswego, and more. GIST professionals pursue careers in education; business; government; and nonprofit organizations. Job titles: Geospatial technician and analyst, Remote Sensing Analyst, Drone pilot, cartographer, surveying and mapping technicians.

New Courses (micro-credential*):

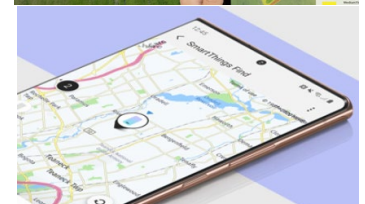GEG 236 Geospatial Data Acquisition & Management

GEG 237 Web Mapping

GEG 238 Introduction to Geospatial Programming

GIS: Geographical Information Systems in which users can collect, manage, model analyze, and visualize data. This is a part of BIG data!

Remote Sensing: Using images taken from satellites, drones, and aircraft to analyze Earth's features over space and time. Very useful for looking at environmental issues.

GPS: Global Positioning Systems allows users to determine one's location. Smart phones have GPS receivers in them, as do airplanes, and tracking devices.

For more information: Contact Jonathon Little (jlittle@monroecc.edu) or Heather Pierce (hpierce@monroecc.edu)

*GIST A.A.S. degree and 9 credit micro-credential approved
†2019 Bureau of Labor Statistics.