

GPS TRAINING

Instructor: Steve Thompson

Provided by the North Central Region Homeland Security Council

This class is designed for any responder who what to learn more about GPS technology.

Course Overview

Exploring GPS Concepts: Basic GPS concepts and level user must understand

GPS Accuracy: Explore vertical and horizontal accuracy

GPS Data Collection: Explore static and dynamic collection; real-time and post-processing corrections

Digital Mapping Layers within the GPS: Explore different data layers that accompany the GPS unit

Datums and Projections: Explore the differences in WGS84, NAD27, NAD83 datums and why datum and projection is important

Coordinate Systems: Explore different coordinate systems such as ECEF, Geographic, State Plane, Universal Transverse Mercator (UTM)

Units: Explore the difference between latitude and longitude units

Familiarization with Your GPS Unit: Hands on instruction from turning on your unit to downloading data to how to maintain it

Field Work: In the field hands on use of your GPS unit. The user will go collect data and then return to the classroom to see there data points over aerial photography

Items that are Needed:

If you do not currently have a GPS unit the instructor will have 4, but if available bring a GPS unit with all its equipment

- GPS Unit
- Manual(s)
- Cables
- Software

Space is limited to 15 students at each location.

Questions? Please contact Jessica Frye at 785-274-1610 or jessica.frye@tag.ks.gov.

NOTE: Lunch will be provided, but other travel related expenses will be covered by the individual(s) or the county.

REGISTRATION FORM

Time: 9:30 AM to 4:00 PM

Attendees: 15 per session

_____ October 23rd in Beloit (North Central Kansas Technical College, 3033 US Highway 24—Student Union Conference Room) **RSVP by October 16th**
_____ November 13th in Abilene (Abilene Community Center, 1020 NW 8th St) **RSVP by November 6th**

Name: _____

Organization: _____

County: _____

Position: _____

Address: _____

City/Zip: _____

Email: _____

Phone Number: _____

Do you need any special accommodations to attend? _____

Please fax both attendees registration forms, from your county, to
Jessica Frye, Kansas Homeland Security GIS Coordinator at 785-274-1426
or email the information to jessica.frye@tag.ks.gov.

Questions? Please contact Jessica Frye at 785-274-1610 or jessica.frye@tag.ks.gov.