



Intermediate Mapping & GIS Certified Training Course Agenda
Mapping & GIS with Trimble TerraSync and GPS Pathfinder Office

Course Description

This course covers the following topics. General timeline is subject to change based upon attendance and how well the information is received.

- GPS/GIS fundamentals
- Mission planning
- Data dictionary creation
- Configuring the GPS equipment
- Data collection techniques/Advanced data collection techniques with TerraSync
- Downloading data to the computer
- Differential correction using GPS Pathfinder Office
- Data editing and post-processing in GPS Pathfinder Office
- Exporting data to GIS formats
- Multiple Field sessions

Day One

Time	Session	Details
0830	Introduction	Welcome/Introductions Overview of the training schedule Introduction to the mapping products
	Global Positioning System	GPS Fundamentals Accuracy
1000 – 1015	Break	
1015	Overview of the steps of a project	Field Reconnaissance Mission Planning Equipment Setup Data Collection Data processing
	Field Reconnaissance	Planning your Project Create a project Create a data dictionary Transfer your data dictionary
1200 – 1300	Lunch	
1300	Mission Planning / GPS Equipment Setup	Equipment Setup Configuring the GPS equipment TerraSync Critical Settings
1400 – 1415	Break	

Time	Session	Details
1415 - 1515	Field Data collection	Review TerraSync Critical Settings Status Tab – Skyplot Real-time Corrections Creating a Data File in TerraSync Simple Point/Line/Area Collection Collecting lines and Areas with Vertices
1515 - 1615	Data Analysis and Export to Google Earth	Analyze your GPS data for accuracy Edit Attributes in Pathfinder Office Delete Features Export to Google Earth KML
1615 – 1630	Review & Questions	

Day Two

Time	Session	Details
0830	Review and Questions	
	Data collection	Advanced data collection techniques: – Continuing – Segmenting – Offsets – Nesting
1015 – 1030	Break	
	Field Session – Advanced Data Collection Techniques	
1200 – 1300	Lunch	
	Data Processing	Data Processing with GPS Pathfinder Office Transferring files Configure Pathfinder Office Differential correction of GPS Data
1500 – 1515	Break	
	Data Processing	Data Processing with GPS Pathfinder Office Software Feature Inspection / Position Properties Post-Processing Using CORS Stations Export to Other Formats Using Background Images
1600 - 1630	Review / Course evaluations	