GPS & TPS
Application Training

- when it has to be right

Leica Geosystems
For 200 years, Leica Geosystems has been manufacturing measurement technology and training industry professionals throughout the world. Whether you are a beginner or are interested in advancing your present level of proficiency — we have the course that is specifically designed to increase your productivity. Our courses are limited in size so that you get the most thorough training experience possible. In North America, we offer all courses in both English and French.

Increase your value as a proficient professional by registering today!

Phone: 1-800-367-9453
or go to:
www.leica-geosystems.us/myccp

Who Should Attend?
- Engineers
- Surveyors
- Geomatics Professionals
- Construction Professionals
- Other Professionals who use precise GPS and TPS (Geophysicists, Geologists, Planners, etc.)

These professionally-targeted courses are held at Leica Geosystems’ Training and Support Center in Lawrenceville, Georgia, twenty miles north of the city of Atlanta. Courses are also held at regional training centers in Denver, Colorado; San Ramon, California; Toronto, Ontario and Montreal, Quebec. Our courses can also be delivered at customer locations on request. (When held at a customer location, any equipment required is provided by the attendees.)
# Training Tracks

## GPS

### GPS Basics, 3 Days
This is an essential course for new and first-time users of GPS, and a great refresher course for those who are already familiar with the Leica System 1200 product line. The course is oriented towards the practical application of GPS techniques, Real-Time Surveys (RTK), and Post-Processing using OPUS and Leica Geo Office (LGO).

### RTK Positioning, 2 Days
This is a vital course for either the first-time or new user of GPS, or for those who have recently upgraded from a previous Leica Geosystems GPS product line. The course is oriented toward practical GPS application techniques including topographic surveys, stakeout methods, and creating coordinate systems that conform to local site control. This course includes basic training on Leica Geo Office and teaches how to import data and view, edit, and export data to survey packages.

### GPS Advanced, 2 Days
This course is ideal for users already familiar with Leica Geo Office, GPS static data processing, and data validation techniques. The course provides in-depth analysis of the results of GPS processing and network adjustment procedures through practical case studies.

## TPS

### TPS Robotics, 2 Days
This course is designed for new users of Leica Geosystems’ robotic TPS instruments. The training will take you through the practical procedures necessary for robotic surveying, specifically as an introduction to the Leica robotics, instrument setup and orientations, topographic surveying, and stakeout. This course includes basic training on Leica Geo Office and teaches how to import data and view, edit, and export data to survey packages.

### TPS Accuracy & Precision, 1/2 Day
This course will range from basic principals of terrestrial surveying to significant errors traps that are prevalent on today’s job sites. From senior surveyors to apprentices, the information covered in this four hour workshop will provide methods for identifying, minimizing and avoiding errors when working with a total station.

### TPS Processing with LGO, 1 Day
This Leica Geo Office (LGO) TPS course is designed for new users who are processing TPS data with LGO. The training encompasses an overview of Leica Geo Office functionality, data management, TPS data processing, image referencing, and data export to CAD systems.

## GPS/TPS

### GPS/TPS Coordinate Transformation, 1 Day
This is an indispensable course for users already familiar with Leica RTK and/or post-process and GPS applications. The course provides in-depth analysis of the different methods of transforming GPS coordinates to local systems through practical case studies.

### RoadRunner, 3 Days
This course is designed for new users of the RoadRunner application. From overview to export and upload, you will be taken through the practical procedures necessary for performing road construction layout within RoadRunner. The basic concepts of RoadRunner will include an explanation of stringlines, RoadRunner elements, and task development. Data conversion and field demonstrations are also included.

### SmartPole, 1 Day
This course is designed for users who need to combine GPS and TPS and exchange data between the two systems using X-Function. This course will show you how to setup your robot with GPS in different situations using resections and known back sights. Linework will also be part of this training, as well as importing GPS and TPS data in Leica Geo Office.
For details and pricing, please contact us today:

For information:
1-800-367-9453

or go online:
www.leica-geosystems.us/myccp