



# Wisconsin State Patrol Academy

## Forensic Mapping/Trimble Total Stations

### DATES:

July 19, 2027 to  
July 23, 2027

### TIME:

Monday:  
12:30pm to 4:30pm  
Tuesday to Thursday:  
8:00am to 4:30pm  
Friday:  
8:00am to 12:00pm

### PROGRAM LENGTH:

32 Hours

### COST:

**Class only – \$ 260.00**

*Includes only attendance to class  
No meals and No lodging.*

**Commuter – \$ 325.00**

*Includes tuition and noon (lunch)  
meals. No lodging.*

**Resident – \$ 685.00**

*Includes Tuition, all three meals, and  
lodging*

*\*\*Additional nights lodging and meals can  
be obtained upon request.\*\**

### MAXIMUM ENROLLMENT:

24

### INSTRUCTOR/VENDOR:

Wisconsin State Patrol Academy

### PROGRAM DIRECTOR:

Sgt. Colton Fields

[ColtonT.Fields@dot.wi.gov](mailto:ColtonT.Fields@dot.wi.gov)

(608) 716-1940

### REGISTRATION DEADLINE:

June 28, 2027

### COURSE DESCRIPTION:

Topics of instruction include:

- Fundamentals of forensic mapping with Trimble total stations
- Total station nomenclature
- Mathematics of coordinate geometry
- Practical exercise
- Crash and crime scene scenarios
- Integration of taped and total station measurements
- Introduction to computer aided drawing (CAD)

### COURSE OBJECTIVES:

The goal of this course is to familiarize the student with forensic mapping equipment. This course consists of classroom learning and practical exercises. The student will spend several hours setting up, mapping, and traversing with their equipment. The data will then be introduced to a Computer Aided Drawing (CAD) program where results can be observed and adjustments to the students mapping techniques can be made.

### ITEMS TO BRING:

- Computer
- Notebook
- 32GB jump drive
- Trimble total station equipment
- If your agency uses a specific CAD program, bring that software

### PREREQUISITES:

Successful completion of Technical Crash Investigation 1.

### Registration and Contact Information:

You can register for this course here: [Wisconsin State Patrol Academy Course Registration](#).

If you have any questions, please contact the designated program director.