Human Factors in Traffic Crash Reconstruction

(40 Hours)

This introductory course examines a variety of human factors to determine "why" a collision occurred. We utilize lectures, discussions, in-class demonstrations and outside field exercises to give you an appreciation for the importance of human factors in explaining collision causation. You will gain an understanding of how frail human evidence is and why the ability to interpret and analyze physical evidence is critical to the success of any collision investigator.

In addition to the driver, vehicle and roadway characteristics that must be considered in an investigation. This course explores essential research that sets the standard for conducting scientifically robust crash investigations and for understanding driver responses in the context of what is typically expected under normal driving conditions.

Topics Include:

- The underlying science behind drivers' response time
- Understanding the proper times to be used in Time and distance calculations
- How to perform a proper methodology
- Factors affecting driving performance, such as age, alcohol/drug use, fatigue, divided attention, driver distraction, and many others
- The nature of driver perception and response times including when it starts, when it ends, and how it is different for many crash types
- Day vs. night
- Driver looking behavior
- The nature in which drivers accelerate and steer.

- Factors influencing drivers speed choices
- Important vehicle and roadway factors that should be considered
- How contrast, lighting, expectancy, pattern recognition, and hazard size influences nighttime recognition.
- Understanding of the factors related to camouflage and how many roadway hazards may exhibit these factors.
- Determining when an object is a cue (warning) or a distractor.
- How to properly document information after a nighttime crash when recognition might be a factor.

Prerequisite: You must have completed, at a minimum, IPTM's *Advanced Traffic Crash Investigation* course or its equivalent.

Note(s): Please bring a laptop to access electronic data and materials.

Audience: Law enforcement and private traffic crash investigators, claims adjusters, engineers, attorneys, safety officers, military investigative personnel, animators and graphic designers

Course Fee: $995 ($0 for Florida officers)▲

May 5-9, 2025

St. Petersburg College Alltstate Center
Room 221
3200 34th Street South
St. Petersburg, Florida 33711

COURSE FEE

▲ A limited number of tuition grants have been made available from the Florida Department of Transportation for Florida law enforcement officers to attend this course. Federal and Military law enforcement officers in Florida are not eligible for this funding.

LODGING

Most locations are served by several major airlines. Ground transportation, food and lodging are the responsibility of the student. For more information, please visit our website at www.IPTM.org or call us at (904) 620-4786.

REGISTRATION

Register online at **www.IPTM.org/grant.** A minimum number of registrations must be received for a class to run as scheduled. When the minimum criterion has been met, you will receive a confirmation by email.

CONTINUING EDUCATION UNITS

This course is eligible for 40 ACTAR CEUs. Please call us at (904) 620-4786 for details.

To register online, visit: www.IPTM.org/grant