



Advanced Traffic Homicide Investigation (087)



CLASS DATES AND LOCATION:

November 10-21, 2025 8:00 AM - 5:00 PM

Volusia County Sheriff's Office

3901 Tiger Bay Road

Daytona Beach, Florida 32124

Lead Instructor: Christopher LeCates

COURSE DESCRIPTION

In this course the student will learn additional laws of physics that apply to speed, acceleration, and frictional forces. The dynamics of a vehicle in motion with respect to airborne situations such as falls vaults, and flips will be covered. An introduction to linear momentum will complete this vehicle dynamics section. The student will also learn to analyze impact damage as it relates to vehicle and occupant movement. This course is ideal for the officer on a career track to become a traffic crash Reconstructionist. An exercise in the measurement of vehicle crush deformation will be conducted.

Course topics will include:

- Vehicle lamp examination
- Vehicle tire evaluation
- Vehicle dynamics; motion, distance, and time
- Vehicle airborne dynamics
- Vehicle damage evaluation
- Conservation of momentum

CLASS INFORMATION

PREREQUISITES:

To attend this training the participant must be a Florida Law Enforcement Officer or Assistant State Attorney. **Students must have successfully completed the Basic Traffic Homicide Course (80 hours)**. Participants should have an aptitude towards mathematics. This class is 80 hours and is a salary incentive course. Training Authorization forms must be signed by agency representative authorizing incentive pay.

WHAT SHOULD I BRING?

Students should bring calculator, equation handbook, crash template, and manuals provided at BASIC THI class.

WHAT ARE THE EXPENSES TO ATTEND?

Tuition for FDOT grant funded classes is covered fully by the grant. Housing and meals are covered **ONLY** for classes held at the Florida Public Safety Institute where the student is traveling over 50 miles to attend.

ENROLLMENT

To view classes available, go to the Tallahassee State College website. To enroll for this course, click the link below:

[Course Registration](#)

For questions about registration or other classes we offer, contact:

Gerry Barrett

FDOT Training Coordinator

Florida Public Safety Institute

75 College Drive

Havana, FL 32333

Email: traffsafe@tsc.fl.edu

Ph: (850) 201-7739