



# Advanced Traffic Homicide Investigation (087)



## **CLASS DATES AND LOCATION:**

**July 22-31, 2025 7:00 AM - 6:00 PM (Tues-Fri & Mon-Thurs)**

**Palm Beach County Sheriff's Office**

**Operational Technology Unit**

**750 Military Trail Suite B**

**West Palm Beach, Florida 33415**

**Lead Instructor: Andrew Pidgeon**

## **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**

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