

Volusia Sheriff's Office Training Academy

ADVANCED TRAFFIC HOMICIDE INVESTIGATION COURSE

CJSTC COURSE # 087

80 Hours

November 10 - 21, 2025

8 AM - 5 PM | Monday - Friday

Salary Incentive Only



VOLUSIA

SHERIFF
MICHAEL J. CHITWOOD

Course Location:

Volusia Sheriff's Office
Training Academy
3901 Tiger Bay Rd.
Daytona Beach, FL 32124

DATES:

November 10 - 21, 2025
8AM - 5PM | M - F

COST: FREE

Requirements:

Must have taken BASIC Traffic
Homicide Investigations.

COURSE: 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.

All students must pass a final written exam with a minimum score of 80%. Attendance is mandatory for all sessions of this course.

Course Topics Include:

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

NOTE: The course book, calculator, crash template, equation handbook and the textbook will be provided by The Academy.

LEAD INSTRUCTOR: Sr. Deputy Chris LeCates

TO REGISTER: All training requests must first be submitted through your Chain of Command for approval. **If you are submitting from an outside agency, you must complete and submit the Outside Agency Training Authorization Form and return it to Mrs. Bianca Rose at Brose@volusiasheriff.gov**

QUESTIONS

CONTACT Sr. Deputy Chris LeCates
CLeCates@volusiasheriff.gov