

# ADVANCED COLLISION INVESTIGATION

40 Hours - Continuing Training Credit

## **Required equipment: basic scientific calculator**

This course is for the officer who has a working knowledge of basic collision investigation or is currently assigned to a collision investigation position within their department. Emphasis is placed on providing the investigator with advanced skills in recognizing elements of physical evidence, which if properly collected at the scene and recorded, will allow prosecutors to successfully prosecute criminal or civil traffic offenses arising out of the collision. Each student will be required to perform basic mathematical calculations in computing speed from physical evidence. A basic comprehension of math is required. The student will be required to pass a final examination to successfully complete the school. Major items to be covered in this course are: evidence found on the road, evidence found on the vehicle, the human factor and the driving process, in-depth analysis of friction and drag factors, scale diagramming techniques, speed calculations using skid, scuff and critical speed scuff, braking efficiency problems, headlamp examinations, case studies, field exercises to study tire marks and vehicle dynamics.