



Commercial Vehicle Crash Investigation - Level I



Institute of Police Technology and Management
University of North Florida

July 19, 2027 – July 23, 2027
8:00 a.m.- 5:00 p.m.



Holiday Inn

8555 Stansted Road
Indianapolis, Indiana 46241

Check-in July 18th check out July 23rd

Course, Hotel room and State Rate per diem for students traveling more than 50 miles are paid for through a grant by Indiana Criminal Justice Institute

To register contact IACAI board member Bob Wilcox at rwilcox1609@gmail.com TX: 260-416-8872

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Commercial Vehicle Crash Investigation - Level I

FIRST IN THE COMMERCIAL VEHICLE CRASH INVESTIGATION SERIES

This intensive course will cover the unique characteristics of commercial motor vehicles and the special dynamics at play when one is involved in a collision.

Detailed information of the nomenclature and operation of commercial motor vehicles will provide you with a level of competence needed to have an adequate understanding of mechanical components, parts and pieces of the commercial motor vehicle and how they may factor into your investigation. To reinforce the concepts presented, you will conduct “hands-on” exercises and vehicle testing during the course.

Topics Include

- Tractor-trailer nomenclature
- Brake systems: configuration and operation
- Wheels, rims and tires
- Steering suspensions and frames
- Trailer coupling devices - fifth wheels
- Driver concerns - log books
- Vehicle components
- Center of mass determinations
- Skid mark measurements and speed analysis
- Jackknifing
- Rollover
- Vehicle dynamics in braking
- Weight shifting

Audience

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

Course Length

40 hours

Prerequisite(s)

This course is designed for traffic crash investigators who have completed, at a minimum, IPTM's *Advanced Traffic Crash Investigation* course or its equivalent. You should have a good working knowledge of the techniques and applications of the formulas presented in the basic course, as the presentation of mathematical formulas will build upon techniques already used by investigators.

What to Bring

Required

- Scientific calculator

Recommended

- Work clothes for outside activities (including inclement weather)
- Camera and equipment to document field exercises