



Traffic Crash Reconstruction



Institute of Police Technology and Management
University of North Florida

August 16th, 2027 – August 27th, 2027
8:00 a.m.- 5:00 p.m.



Holiday Inn

*8555 Stansted Road
Indianapolis, Indiana 46241*

First week check-in August 15th check out August 20th
Second week check-in August 22nd check out August 27th

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

www.iacai.com
www.facebook.com/IndianaIACAI

Traffic Crash Reconstruction

THIRD IN A SERIES OF THREE COURSES

Traffic Crash Reconstruction builds upon IPTM's *Advanced Traffic Crash Investigation* course by assisting you further in understanding vehicle dynamics. You will take part in a more intense study of time/distance calculations, two-dimensional momentum and impact speed calculations using momentum equations.

Topics Include

- Derivation and origin of the commonly used speed formulas
- Speed of vehicles at impact using conservation of linear momentum
- Behavior of vehicles in a collision using Newton's three laws of motion
- Discussions of commercial vehicle and motorcycle dynamics in collisions
- The determination of direction of travel, initial contact and position of vehicles on the roadway

This course includes extensive project work to give you first hand experience in crash reconstruction. Each student will be required to diagram and analyze several different crash scenarios as well as complete vector sum analysis of each.

Audience

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

Course Length

80 hours

Prerequisite(s)

Because of the highly technical subject matter, it is mandatory for you to have successfully completed IPTM's *Advanced Traffic Crash Investigation* (80 hours) course or its equivalent.

What to Bring

Required

- Scientific calculator
- Compass

Recommended

- Erasable colored pencils