



Investigation of Motorcycle Crashes - Level II



Institute of Police Technology and Management
University of North Florida

May 24, 2027 – May 28, 2027
8:00 a.m.- 5:00 p.m.



Holiday Inn

8555 Stansted Road
Indianapolis, Indiana 46241

Check-in May 23rd check out May 28th

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

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Investigation of Motorcycle Crashes - Level II

This course builds on the information covered in *Investigation of Motorcycle Crashes* and presents a more extensive look at the dynamics and operational principles of the motorcycle and rider. We will teach more advanced mathematical formulas and analytical techniques that will provide you with recognized and accepted values to use during a case analysis.

A group project will introduce a method to determine the maximum tire lean angle and contact patch migration. Additional projects will give you an opportunity to individually analyze the information and utilize the equations in real-world scenarios.

You will receive a manual of applicable information and test data to reference when investigating motorcycle crashes.

Topics Include

- New motorcycle technology systems
- Time-Distance, airborne analysis, circular motion
- Speed in gear analysis
- Wheelbase reduction information
- Braking with weight shift
- Stoppies and wheelies
- Motorcycle tire forces
- Swerving- collision analysis
- Custom and specialty motorcycle crash analysis
- Rotational crash analysis

Audience

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

Course Length

40 hours

Prerequisite(s)

You must have completed at a minimum, IPTM's *At-Scene Traffic Crash/Traffic Homicide Investigation*, *Advanced Traffic Crash Investigation*, and *Investigation of Motorcycle Crashes*, (completed after 2000), or their equivalents.

What to Bring

Required

- Scientific calculator
- Traffic template/engineering scale
- Protractor

Recommended

- Flash drive (2GB or higher)