



Training in Idaho

Advanced Traffic Crash Investigation

May 16 - 27, 2015

Course fee: \$950

Building upon IPTM's *At-Scene Traffic Crash/Traffic Homicide Investigation* course, this class will delve into more complex vehicle dynamics such as acceleration/deceleration, factor, rate and airborne situations. You will learn to estimate speeds from falls, vaults, and flips and the calculation of kinetic energy and linear momentum. You'll also learn to evaluate vehicle lamps, tires, and damage to help determine vehicle behaviors during the collision. (Course length: 80 hours)



Traffic Crash Reconstruction*

August 15 - 26, 2016

Course fee: \$950



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. This course includes extensive project work and controlled vehicle experiments to give you firsthand experience in crash reconstruction. (Course length: 80 hours)

*** This course is eligible for ACTAR CEUs.
Please contact IPTM for details at (904) 620-4786.**

Courses will be held at the:
Idaho POST Academy
700 South Stratford Drive
Meridian, Idaho 83642

To register for these courses, please visit our website at:

www.iptm.org



Training in Meridian, Idaho!

Advanced Traffic Crash Investigation (80 Hours)

SECOND IN A SERIES OF THREE COURSES

Building upon the theories and techniques learned in IPTM's *At-Scene Traffic Crash/Traffic Homicide Investigation* course, this class will delve into the advanced concepts of traffic crash investigations.

More complex vehicle dynamics such as acceleration/deceleration, factor, rate and airborne situations will be explored. You will learn to estimate speeds from falls, vaults, and flips and the calculation of kinetic energy and linear momentum. You'll also learn to evaluate vehicle lamps, tires, and damage to help determine vehicle behaviors during the collision.

Much of the coursework will be spent using acceleration/deceleration factors and perception/reaction times to determine time/distance relationships for colliding vehicles.

Topics include:

- Speed estimates from kinetic energy, skidmarks, scuffmarks and airborne situations
- Vehicle dynamics and motion
- Time, distance, and motion equations

- Conservation of momentum equations
- Center of mass calculation
- Vehicle lamp examination
- Tire damage evaluation
- Vector sum analysis

Note: If you are registering for this course, please complete the "Advanced Traffic Crash Investigation Questionnaire" found at <http://www.iptm.org/pdf/advtcquestionnaire.pdf> and return it with your registration.

Prerequisite: You must have completed IPTM's *At-Scene Traffic Crash/Traffic Homicide Investigation* course or its equivalent.

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

Course Fee: \$950

**May 16 - 27, 2016
Meridian, Idaho**

**Course will be held at the:
Idaho POST Academy
700 South Stratford Drive
Meridian, Idaho 83642**

REGISTRATION AND FEES

Full payment must accompany all registrations. You may register online at www.iptm.org and pay with your Visa, MasterCard, Discover or American Express credit card, or you may download a registration form and mail it to IPTM with a check.

CANCELLATION/REFUND POLICY

Complete the Cancellation Request Form and return it to IPTM. No telephone cancellations will be accepted. A 20% administrative fee will be assessed to all refunds if the cancellation request is received within 7 days of the course start date. In lieu of a refund, student substitutions can be made or a credit can be issued for a future course. No refunds will be given for no-shows.

**To register for this course online, please
visit our website at: www.iptm.org**

COURSE CONFIRMATIONS

A minimum number of registrations must be received for a class to run as scheduled. When the minimum criterion has been met, written confirmation will be mailed, faxed, or emailed to you.

Please do not make airline reservations until you receive written notification confirming that the course will run as scheduled.

LODGING

The following hotels have been recommended by the host agency:

Hampton Inn & Suites
875 South Allen Street
Meridian, Idaho 83642
Phone: (208) 887-3600

Courtyard by Marriott
1789 Eagle Road
Meridian, Idaho 83642
Phone: (208) 888-0800

Country Inn & Suites
3355 East Pine Avenue
Meridian, Idaho 83642
Phone: (208) 639-3300

Candlewood Suites
1855 South Silverstone Way
Meridian, Idaho 83642
Phone: (208) 888-5121



Training in Meridian, Idaho!

Traffic Crash Reconstruction

(80 Hours)

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 and controlled vehicle experiments to give you first hand experience in crash reconstruction. Each student will be required to diagram and analyze three different crash scenarios as well as complete vector sum analysis of each.

Note: Early application for this course is encouraged. Prior to the start of the course, study materials in basic mathematics and algebra will be sent to you. Please review these materials before coming to class. Please complete the "Traffic Crash Reconstruction Questionnaire" found at: <http://www.iptm.org/pdf/tcrquestionnaire.pdf> and return it with your registration.

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

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

Course Fee: \$950

**August 15 - 26, 2016
Meridian, Idaho**

**Course will be held at the:
Idaho POST Academy
700 South Stratford Drive
Meridian, Idaho 83642**

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875 South Allen Street; Meridian, Idaho 83642
- Country Inn & Suites** - (208) 639-3300
3355 East Pine Avenue; Meridian, Idaho 83642
- Courtyard by Marriott** - (208) 888-0800
1789 Eagle Road; Meridian, Idaho 83642
- Candlewood Suites** - (208) 888-5121
1855 South Silverstone Way; Meridian, Idaho 83642

CONTINUING EDUCATION UNITS



An accredited individual may retake IPTM's *Traffic Crash Reconstruction* course for ACTAR continuing education units only once every five years (after their initial five year accreditation period) for the purpose of updating their skills. Please call us at (904) 620-IPTM for details.

**To register for this course online,
please visit our website at:
www.iptm.org**



Institute of Police Technology and Management

University of North Florida

Registration Form

CONTACT INFORMATION

First Name _____ Day Phone _____
Middle Initial _____ Student Fax Number _____
Last Name _____ Student Email _____
Address _____
Address 2 _____
Zip Code _____
City _____
State _____

Americans with Disabilities Act Program Accessibility:
Individuals who require reasonable accommodation in order to participate must notify the registrar at (904) 620-IPTM at least five working days prior to the class.

PERSONAL INFORMATION

Occupation (Rank) _____
Employer (Agency Name) _____

COURSE INFORMATION

Course Title: _____
Course Dates: _____
Course Location: _____
Course Fee*: _____

Full payment must accompany all registrations!

Please enclose a check and return it with your registration.

Make checks payable to:
Institute of Police Technology and Management

Please do not make airline reservations until you receive written notification confirming that the course will run as scheduled.

CANCELLATION/REFUND POLICY:

Complete the Cancellation Request Form found at www.iptm.org and return it to IPTM. No telephone cancellations will be accepted. A 20% administrative fee will be assessed to all refunds if the cancellation request is received within 7 days of the course start date. In lieu of a refund, student substitutions can be made or a credit can be issued for a future course. No refunds will be given for no-shows.

REGISTERING PERSON'S INFORMATION (If different than student)

Registering Person's Name _____
Phone Number: _____
Registering Person's Email _____
Registering Person's Title _____

Return to: Institute of Police Technology and Management/University of North Florida
12000 Alumni Drive • Jacksonville, Florida 32224-2678
Phone: (904) 620-IPTM • Fax: (904) 620-2453 • E-mail: info@iptm.org