

## FUNDAMENTALS of BUS COLLISION INVESTIGATION (FT00435)

The Florida Department of Transportation and the Florida Statewide Transit Technical Assistance and Training Program administered by the USF Center for Urban Transportation Research, will present the Transportation Safety Institute's **Fundamentals of Bus Collision Investigation (FT00435)** on January 7-11, 2019 in Miami. The Federal Transit Administration (FTA) Office of Transit Safety and Security and the USDOT Transportation Safety Institute sponsor this course.

### Date and Times:

January 7-11, 2019

Monday-Thursday (8:00am - 4:30pm)

Friday (8:00am - 12:00pm)



### Host Agency:

Miami Dade Transit  
Miami, Florida

### Course Description:

Learn about effective tools and techniques relating to data collection, on-scene evidence documentation, damage and debris evidence analysis, witness interview techniques, computation of simple speed estimates, and report writing. Gain in-depth, practical application knowledge of accident reconstruction techniques and the use of mathematical formulas to evaluate contributing factors associated with bus collisions/investigations. This course also includes an introduction to Safety Management Systems (SMS) principles, and basic collision investigation procedures. Knowledge of high school algebra will greatly assist participants to successfully complete this course.

### Who Should Attend:

Bus Operator Trainers, Collision Investigators, Safety Managers and Supervisors, Operations and Maintenance Managers/Supervisors, Risk Managers, Local Law Enforcement personnel (traffic/accident investigators)

### How You Will Benefit:

- Introduction of SMS Principles
- Chain of events in a collision and investigator tools
- Center of mass and evaluating damage and debris
- Interpretation and measurement of marks on the road
- General principles of collision investigation math and use of calculators
- Minimum speed estimates from skid marks and yaw marks
- Interview techniques
- Principles of field sketching
- Photography
- Collision case preparation and presentation workshop
- Outdoor exercise (PPE required: leather upper, flat sole shoes)
- Pretest, quizzes, homework, group presentations, final exam

### What You Will Learn:

Chain of events and contributing factors: equipment, environment and human, evidence analysis, documentation, and lamp inspection, interpretation of skids and other marks on the road, fundamentals of collision investigation math, review of high school algebra.

### Fees:

There are no fees to attend this course for current employees of a Florida public transit agency who meet the criteria identified in the [Transit Training Policies and Procedures](#).

### Requirement:

Participants **must** have written permission from their supervisor/manager prior to the training to attend this course. A participant will not be considered registered for the course until confirmation is received.

### Registration for this class ONLY:

Seats are available by registering through TSI at [www.tsi.dot.gov](http://www.tsi.dot.gov). Logistical information will be provided by TSI.

**Registration Deadline is Wednesday, December 5, 2018**

**NOTE: There are no travel reimbursement opportunities available for this course. All travel and lodging expenses are that of the traveler or their agency.**

Visit [www.cutr.usf.edu](http://www.cutr.usf.edu) to find additional transit training opportunities, workshops, conferences, and special events.

To review policies and procedures of the training programs visit [Transit Training Policy & Procedures](#).

For questions regarding this training course, please contact Molly Buffington at via email at [buffington@cutr.usf.edu](mailto:buffington@cutr.usf.edu).

For LMS questions or technical assistance, please contact Stephanie Lewis at [zavacki@cutr.usf.edu](mailto:zavacki@cutr.usf.edu).