Fundamentals of Bus Collision Investigation (FT00435)

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

Date and Times

March 22-26, 2027
Monday-Thursday (8:00am-4:30pm)
Friday (8:00am-12:00pm)

Host Agency

USF Center for Urban Transportation Research (CUTR)
3808 USF Alumni Drive – Room 102
Tampa, FL 33620

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 instructor-led 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 and who meet criteria identified in the Transit Training Policies and Procedures.

Registration Deadline is March 12, 2027

The Florida Transit Safety and Operations Network and Florida Rural Transit Assistance Program websites provide information about transit training opportunities, conferences, and special events. For questions regarding this training course, please email Molly Buffington. For LMS questions or technical assistance, please Stephanie Lewis.

How to Register

All registrations must be made through the Florida Department of Transportation's Office of Freight, Logistics, and Passengers Operations Transportation Learning Management System. This online registration and learning management system (LMS) provides Florida's public transportation professionals a portal to manage their professional development.

Transportation Learning manages training for you by keeping an educational transcript of all new courses that you complete, and a retrievable record is maintained so you may access (with a user id and password) Certificates of Completion, Certificates of Participation, retrieve course materials, etc.

Florida's public transportation professionals may set up a unique user id and password to register online for upcoming transit training courses, including e-learning courses. Follow the instructions below to login or to register for the training course.

Go to Transportation Learning

Unsure if you have an account? Use the "Forgot Password" link to look up your account information using either your work/personal email address or username. If you cannot locate your account information, please contact Stephanie Lewis (813) 974-1123 before setting up a new account.

Returning Users: *(**DO NOT** use the enrollment key ID.)*

- If you are a ***returning user***, type your username and password.
- Select "Forgot Password" to look up your account by either an email address or username.
- When the dashboard appears, select **"My Catalog"** to enroll in desired course.
    - Find the course select **"Enroll"**
    - Select **"View"**
    - Review the Terms & Conditions and select **"I Agree"**
    - Select **"Enroll"** to be in "Pending Approval" status while we receive supervisor approval
- Once enrolled the course will appear under new **"My Courses."**

IMPORTANT: You may use your personal or business email address. If you create multiple accounts you will not be able to view a complete record of your training history. In some instances, this may require you to retake or restart a training course.

New Users Only:

- If you are a ***new user***, select the **"Sign Up"** button.
- In the **"Key Name"** field enter: **fltat**
- Select the **"Sign Up"** button
- Begin by entering the requested information, as well as creating a unique username and password.
- Confirm your new username and password. A copy will also be sent to your registered email.
- When the dashboard appears, select **"My Catalog"** to enroll in desired course.
    - Find the course select **"Enroll"**
    - Select **"View"**
    - Review the Terms & Conditions and select **"I Agree"**
    - Select **"Enroll"** to be in "Pending Approval" status while we receive supervisor approval
    - Once enrolled the course will appear under new **"My Courses."**

Registration 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.

Course Confirmation

A logistical email confirmation from the LMS will be forwarded to each registrant with class information, travel and hotel information after your registration has been approved by your supervisor. USF is an Equal Opportunity/Equal Access Institution. For disability accommodations, please contact Molly Buffington a minimum of ten (10) working days in advance to the training session.

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