

# Fundamentals of Bus Collision Investigation (FT00435)

The Florida Department of Transportation and the 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 May 3-7, 2021 in Palmetto. The Federal Transit Administration (FTA) Office of Transit Safety and Security and the USDOT Transportation Safety Institute sponsor this course.

## Date and Times:

May 3-7, 2021

Monday-Thursday (8:00am - 4:30pm) and Friday (8:00am - 12:00pm)

## Host Agency:

Bradenton Area Convention Center  
1 Haben Boulevard  
Palmetto Room  
Palmetto, FL 34221

## 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 and who meet criteria identified in the [Transit Training Policies and Procedures](#).

## 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.

## Confirmation:

Upon supervisor approval and acceptance of registration, participants will receive a logistical confirmation via email. There are no travel reimbursement opportunities for this training course. USF is an Equal Opportunity/Equal Access Institution. For disability accommodations, please contact Molly Buffington at [buffington@cutr.usf.edu](mailto:buffington@cutr.usf.edu) a minimum of ten (10) working days in advance to the training session.

## Registration Deadline is Friday, April 2, 2021

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).

## 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 [www.transportationlearning.org](http://www.transportationlearning.org)

**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 at [zavacki@cutr.usf.edu](mailto:zavacki@cutr.usf.edu) or (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.**"

**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 at [buffington@cutr.usf.edu](mailto:buffington@cutr.usf.edu) 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.**