Heavy Vehicle Forensic Mechanical Inspection for Collision Investigators

COURSE CONTENT:

- **Heavy vehicle nomenclature**
- **Braking systems**
- **Suspension systems**
- **Wheel systems**
- **Steering systems**
- **Proper forensic investigation methods**
- **Hands-on experience with collision-damaged trucks**

Obtain the skills required to properly investigate, document, and analyze traffic crashes involving commercial motor vehicles.

Collisions involving heavy vehicles often encompass unique documentation and analysis components. In this five-day course, crash investigation students learn to inspect collision-damaged heavy vehicles and gain additional skills for examining commercial vehicle crashes.

This is a hands-on, basic investigation course for proper examination, documentation, and evidence preservation with no prerequisites.

Curriculum includes lecture and hands-on training with collision-damaged trucks. Forensic work is conducted on the braking systems, suspension systems, wheel systems, and steering systems. Our expert instructors provide foundational information about each component, and students learn to use that knowledge to mechanically examine and test a damaged heavy vehicle.

Participants complete this course able to restore a damaged air-braking system on a heavy-duty commercial vehicle to pre-collision condition in order to collect data for calculations used in evaluating the braking efficiency of a heavy-duty commercial vehicle. Students also will be able to identify parts and pieces of steering and suspension systems and explain how the components may have factored into a crash.

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nucps.northwestern.edu/crash

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40 ACTAR CEUs

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