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HEAVY VEHICLE FORENSIC MECHANICAL INSPECTION *for* COLLISION INVESTIGATORS

An experiential investigation course for proper examination, documentation & evidence preservation.

“This class was an awesome experience, and the practical know-how Bill Focha brings from his years of experience as a forensic mechanical expert was infused into all of our teaching. The class begins with some days of lecture, then moves on to intact vehicles, then the wrecker yard. It is also really impressive to see some of the foremost experts in our field attending this class to learn, even though they have been doing this work for years.” — *Daniel Vaughn, ACTAR-Accredited Reconstructionist,*

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

Heavy vehicles crashes often encompass unique documentation and analysis. In this hands-on course, students learn to inspect collision-damaged heavy vehicles and master additional investigative skills related to commercial vehicle crashes.

Curriculum includes lecture and hands-on training with collision-damaged trucks. Forensic work focuses on the braking, suspension, wheel, and steering systems. Our expert instructors provide foundational lessons about each component, then students put those lectures to work by mechanically examining and testing a damaged heavy vehicle. Additional training involves undamaged vehicles for optimal understanding of different system components.

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

CURRICULUM TOPICS

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

TO REGISTER OR LEARN MORE,
SCAN THE QR CODE
OR VISIT
nucps.northwestern.edu/crash



COURSE FORMAT:
On-Ground Only

PREREQUISITES:
None

HOSTING INQUIRIES:
To learn about hosting this course at your agency, contact nucps@northwestern.edu.



**ACTAR-Accredited
Professionals Earn
40 ACTAR CEUs**