Traffic Crash Reconstruction 1

Develop the foundations for a successful traffic crash reconstruction career.

COURSE CONTENT:

- **Engineering mechanics**
- **Equations of motion calculations**
- **Vehicle behavior in collisions**
- **Principal direction of force analysis**
- **Introduction to human factors**
- **Time-distance analysis**
- **Conservation of momentum**
- **Oblique & collinear analysis**
- **Post-collision drag factors**
- **Newton's Laws of Motion**
- **Identifying & analyzing road marks**
- **Driver strategy & tactics**
- **Eight real-world case studies**

Based on the most recent edition of our classic textbook, *Traffic Crash Reconstruction*, this course focuses on analyzing and interpreting information that has been collected at lower levels of investigation in order to describe the crash and the events leading to actual impact in as much detail as possible.

In addition to the prerequisite courses (Crash Investigation 1 and 2 and Vehicle Dynamics), participants should possess an understanding of physics and math skills that include high-school level algebra, geometry, and trigonometry.

Students apply the lessons from daily lecture material to real-world case study situations — an instruction format that provides students with the training necessary to reconstruct traffic crashes.

After successfully completing this course, students will have the ability to reconstruct crash situations using momentum and mechanics.

Register now

ON-GROUND OR REMOTE

TUITION
$1,295 per person

REGISTRATION
Find a class section &
Register at:
nucps.northwestern.edu/crash

PREREQUISITES:
Crash Investigation 1; Crash Investigation 2; Vehicle Dynamics

EARN:
80 ACTAR CEUs