Traffic Crash Reconstruction 2

Build upon your crash reconstruction knowledge and take your skills to a new level.

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

Traffic Crash Reconstruction 2 (TCR2) is the fifth and final course in our foundational series and is a continuation of the skills learned in Reconstruction 1. Students receive expert instruction through lecture and daily real-world case studies, which tie lectures to hands-on analysis. Upon successful completion of TCR2, students will possess the core skills for traffic crash reconstruction.

In TCR2, students expand on their understanding of crashes and learn to analyze collisions using conservation of energy and delving into special velocity calculations for such situations as vehicle falls, flips, and rollovers. Participants obtain basic skills for analyzing EDR data and how to apply it to traditional reconstructions. They also are introduced to the Monte Carlo Statistical Analysis and learn to solve momentum-based crash sequences using spreadsheet analysis.

TCR2 is a prerequisite to many of our advanced elective courses and is based on the authoritative material from our textbook *Traffic Crash Reconstruction*.

PREREQUISITES:
Crash Investigation 1 & 2; Vehicle Dynamics; Traffic Crash Reconstruction 1. *Participants should possess an understanding of physics and math skills that include high-school level algebra, geometry, and trigonometry.*

ACTAR MEMBERS EARN:
80 ACTAR CEUs

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EVERETT, WASHINGTON
March 11 - 22, 2024

COURSE SPONSOR:
Everett Police Department

COURSE LOCATION:
Snohomish County 911
1121 SE Everett Mall Way
Everett, WA 98208

TUITION
$1,295 per person

REGISTRATION
Seats are limited.
Register or learn more at:
nucps.northwestern.edu/crashsequence

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