



Vehicle Dynamics

Learn the applied physics and math necessary for success in Traffic Crash Reconstruction courses.

COURSE CONTENT:

- Newton's laws of motion
- Coefficient of friction
- Drag factors
- Basic motion equations for velocity, time, acceleration, and distance
- Momentum - collinear (inline)
- Time-Distance Analysis
- More!

PREREQUISITES:

Crash Investigation 2

Vehicle Dynamics delves into the mathematical formulas and physics that utilized in traffic crash reconstructions. The course curriculum focuses on the study of mechanics, motion, forces, and their involvement during a collision event.

The third course in our Core Sequence, Vehicle Dynamics teaches the advanced math procedures and applied physics necessary for those who wish to attend Traffic Crash Reconstruction 1, Traffic Crash Reconstruction 2, and other advanced reconstruction courses.

Our expert course instructors present Newton's Laws of Motion and the proper application of physics principles to equations of motion in order to solve for velocity, time, acceleration, and travel distances. Following the presentation of these concepts, instruction advances to instruction that covers vehicle braking, drag factors, and the coefficients of friction and time-distance analysis.

Register Today!

TUMWATER, WASHINGTON

August 26 - 30, 2024

TUITION

\$995 per person

COURSE SPONSOR:

Thurston County (WA) Sheriff's Office

COURSE LOCATION:

Thurston County Sheriff's Office
7721 New Market Street SW
Tumwater, WA 98501

REGISTRATION

Seats are limited.

To scan the below QR code to register or visit:

nucps.northwestern.edu/crashsequence

