



# 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 authoritative textbook, *Traffic Crash Reconstruction*, this course instructs students in analyzing and interpreting information that has been collected at lower levels of a crash investigation in order to describe — in as much detail as possible — a collision and the events leading to the actual impact.

Our teaching format provides the optimum training and practice in necessary reconstructions skills, as students apply the lessons from daily lecture material to real-world case study situations.

After completing Traffic Crash Reconstruction 1, students will be able to reconstruct crash situations using momentum and mechanics.

## PREREQUISITES:

Crash Investigation 1; Crash Investigation 2; Vehicle Dynamics  
*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

## Register Now

### EVERETT, WASHINGTON

February 12 - 23, 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](https://nucps.northwestern.edu/crashsequence)

