

NORTHERN ILLINOIS TRAINING ADVISORY BOARD

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TRAFFIC CRASH RECONSTRUCTION 2

Date: June 1-12, 2026 **Registration deadline: May 1, 2026**

Times: 0800-1600 hours

Location: NITAB
527 Colman Center Drive
Rockford, Illinois

Instructor: NUCPS staff

Member Fee: \$0 Non-Member Fee: \$0

This course has been approved by ILETSB for the following mandates:

Civil Rights – 1.0
Constitutional Use of LE Authority – 1.0
Legal Updates – 1.0
Procedural Justice – 1.0
Lead Homicide Investigator – 80.0

Our series capstone course, Traffic Crash Reconstruction 2 (TCR2), is a continuation of the skills learned in Reconstruction 1. Drawing from the latest edition of Traffic Crash Reconstruction, this advanced course ties lecture material to hands-on analysis through daily, real-world case studies.

Students initially expand their understanding of crash reconstruction concepts and analyze collisions using conservation of energy. Instructors then move on to cover special velocity calculations for such situations as vehicle falls, flips, and rollovers. Students also earn basic skills for analyzing Event Data Recorder (EDR) information and how to apply such data to traditional reconstructions. Finally, students are introduced to the Monte Carlo Statistical Analysis and learn to solve momentum-based collision sequences using spreadsheet analysis.

Upon successful completion of this course, students will possess the ability to reconstruct crash situations using energy and statistical analysis of momentum-based collision reconstructions.

Prerequisites: Crash Investigation 1 and 2; Math and Physics Review for Crash Reconstruction, Vehicle Dynamics and Traffic Crash Reconstruction 1