



# Northwest Illinois Criminal Justice Commission

Jeff Ragan, Regional Director

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Mobile Team Unit #1 is funded in partnership with the Illinois Law Enforcement Training & Standards Board

## Vehicle Dynamics

**DATE:** April 6-10, 2026

**Registration Ends:** March 20, 2026

**TIME:** 8:00 AM—4:00 PM      8 Hours

**LOCATION:** NITAB, 527 Colman Center Drive, Rockford, IL

**INSTRUCTOR:** NUCPS Staff

Vehicle Dynamics presents advanced physics and math concepts applied to traffic crash reconstruction. The course focuses on mechanics, the study of motion and forces, and the effects of such forces during a crash.

Vehicle Dynamics teaches the advanced math procedures and the applied physics necessary for Traffic Crash Reconstructionist 1, Traffic Crash Reconstructionist 2, and other advanced reconstruction courses.

Curriculum covers Newton's Laws of Motion and the proper use of equations of motion to solve for velocity, time, acceleration, and distance of travel. Once these concepts are understood, instruction continues to vehicle braking, drag factors, and coefficients of friction and time-distance analysis.

**Prerequisites: Crash Investigation 1 and 2; Math and Physics Review for Crash Reconstruction**

**This course has been certified by the ILETSB and approved to meet the following mandates:**

- Lead Homicide - 40.0 hours
- Civil Rights - .50 hours
- Constitutional Use of LE Authority - .50 hours
- Procedural Justice - .50 hours

**REGISTRATION:**

All registrations are received on the [MTU#1 website](http://MTU#1 website). Find Registration instructions [here](#)

**THIS IS NOT A PUBLIC MEETING**

