

REGISTRATION INFORMATION

Name _____
Agency _____
Address _____
City _____ State _____
Zip _____ Phone _____
FAX _____ e-mail _____

Registration fee:

Check which school you will be attending:

Vehicle Dynamics Cost: \$500
(April 24-28, 2023)

Accident Reconstruction Cost: \$950
(Fall 2023 –Dates TBD)

Training Site for both schools:

**Brooklyn Fire Department
(Community Room)
8400 Memphis Avenue
Brooklyn, Ohio 44144**

4 WAYS TO REGISTER

On Line: www.ncpi-ohio.com
Mail: NorthCoast Polytechnic Institute
Attn: William D. Healy, Director
6688 Steinbeck Court
North Ridgeville, Oh 44039
Phone (440) 353-0796
e-mail: info@ncpi-ohio.com
Fax: (440) 353-0797

Attn: Mr. William D. Healy, Director
6688 Steinbeck Court
North Ridgeville, Oh 44039
Phone: (440) 353-0796
Fax (440) 353-0797
e-mail: info@ncpi-ohio.com
WEB: www.ncpi-ohio.com

Web: www.ncpi-ohio.com



**Vehicle Dynamics
(Level III)**

April 24-28, 2023

Cost: \$500.00

**Hosted by: Brooklyn
Police Department**

and

**Accident
Reconstruction
(Level IV)**

(Two Week School)
**(Fall 2023 – Dates to be
determined)**

Cost: \$950.00

**Hosted by: Brooklyn Police
Department**

***Instructed by INTROTECH
Accident Reconstruction
8:00 AM –4:30 PM each day***

About the courses:

“Vehicle Dynamics” - Level III



This 5 day course is designed for an experienced law enforcement officer who has had previous training in basic and advanced accident investigation. The student should be familiar with the concept of basic speed calculations, radius of curve calculations, critical speed, scale drawings, damage analysis, principle direction of force (thrust), damage measurement, traffic templates and coefficient of friction. Dynamics is a branch of engineering that uses a high level of analytical capability. It is the branch of mechanics that deals with the motion of bodies under the action of forces. This course will include a basic study of dynamic forces on a vehicle, steering over-correction, anti-lock braking systems, engineering dynamics and laws of motion, documentation of tire marks and other physical evidence to use in calculating time, speed & distance, airborne issues, calculating speed from tire marks, introduction to energy and momentum, energy & momentum problems and project work for students to complete during the week.

“Accident Reconstruction” - Level IV



This 10 day course is designed for an experienced law enforcement officer who has had previous training in basic and advanced accident investigation. The student should be familiar with basic speed calculations, radius of curve calculations, critical speed, scale drawings, damage analysis, principle direction of force (thrust), damage measurement, traffic templates and coefficient of friction.

Although reconstruction typically requires advanced mathematical calculations and a basic understanding of physics, it is much more than that. Reconstruction is a process of correctly analyzing data and evidence and then thinking about what it means. Topics will include mechanics, dynamics, airborne equations, vehicle and occupant behavior in accidents, articulated vehicles, trigonometry, motorcycle accident reconstruction, pedestrian accident reconstruction, night time visibility experiments, and conservation of linear momentum. Numerous case studies will be analyzed to arrive at reasonably accurate opinions.

About the instructors:

Henry P. Lipian

ACTAR #83– Lieutenant USCGR (RET.)

Mr. Lipian has over thirty (30) years of investigative and law enforcement experience in the United States Coast Guard, Ohio State Highway Patrol and the Hunting Valley Police Department. Mr. Lipian is the President of INTROTECH Accident Reconstruction Services Inc. and has served as an accident reconstructionist for the past 30 years.

Vince Cronin
(ACTAR #2389)

Mr. Cronin was a career law enforcement officer and retired in 2017 from the Eastlake Police Dept. During his law enforcement career, Mr. Cronin was assigned to the Motorcycle Unit, Field Training Unit, and was the Department's Driving Instructor. He also served as the Operations Commander for the Lake Regional Crash Reconstruction Unit and has been involved in countless investigations and reconstructions of serious injury and fatal crashes throughout Lake County, Ohio. Mr. Cronin also served as a basic police instructor with Lakeland Community College and Bryant & Stratton College, as well as the Ohio Peace Officers Training Academy in London, Ohio, instructing courses in Crash Investigation & Crash Reconstruction.

Choya R. Hawn - ACTAR #1592

Trooper Ohio State Highway Patrol (RET)

Mr. Hawn had over 26 years of experience as a field trooper and crash investigator with the Ohio State Highway Patrol. Mr. Hawn has received training from Collision Safety Institute (C.S.I.) and the Institute of Police Technology and Management (I.P.T.M.) in the collection and analysis of event data from airbag, power-train and roll-over modules.