



# Training Course

The five-day course is a complete indoctrination into vehicle forensics investigations. It covers the entire process of identifying, acquiring, and analyzing data from vehicle systems and how to use the iVe Ecosystem in the process.



## OVERVIEW

The course curriculum opens up with the vehicle forensic process and how the iVe Ecosystem is designed to support it. Investigators will work through the identification of supported vehicles, data types found on these systems, and methods for preserving digital evidence in vehicles.

The course then goes in-depth on a specific acquisition method each day: Automotive Network, Direct Connect, and Media Acquisitions. The instruction covers accessing and extracting data from numerous electronic control units on the vehicle network or directly from the infotainment and/or telematics ECU(s).

The curriculum moves quickly from theory into practical application, with emphasis on leveraging the resources within the iVe Ecosystem, best practices and troubleshooting. Investigators will engage in hands-on acquisitions, vehicle disassembly for system removals, and detailed module teardowns, as required. Each day, practical analysis exercises utilizing the data pertaining to the acquisitions will be performed. The final day of the course is focused on harnessing the iVe Software to analyze multiple vehicle data collections, export and share data, and generate reports.

## WHO SHOULD ATTEND

Law enforcement, military, civil and regulatory agencies, and select private industry organizations. The course is appropriate for both technical and non-technical investigators.

## HOW TO REGISTER

Visit the Berla website to see a list of upcoming training courses.

Contact our training team at [training@berla.co](mailto:training@berla.co) to register.

# COURSE SCHEDULE

40 TOTAL COURSE HOURS

<b>DAY ONE</b> <b>Introduction &amp; iVe Ecosystem</b>	<b>INTRODUCTION</b> <ul style="list-style-type: none"><li>• Course Objectives</li><li>• Vehicle Forensic Principles</li></ul>	<b>IVE &amp; VEHICLE FORENSIC PROCESS</b> <ul style="list-style-type: none"><li>• iVe Ecosystem</li><li>• Vehicle Forensic Process</li><li>• iVe Walkthrough</li></ul>	<b>VEHICLE DATA FUNDAMENTALS</b> <ul style="list-style-type: none"><li>• Electronic Control Units (ECUs)</li><li>• Vehicle Data Types &amp; Storage</li></ul>	<b>VEHICLE DATA PRESERVATION</b> <ul style="list-style-type: none"><li>• Preserving Vehicle Data</li><li>• Order of Operations</li><li>• Practical - Preservation</li></ul>
<b>DAY TWO</b> <b>Automotive Network Acquisitions</b>	<b>INTRODUCTION</b> <ul style="list-style-type: none"><li>• Network Acquisitions Overview</li><li>• Diagnostic Messages</li></ul>	<b>SYSTEM ACCESS</b> <ul style="list-style-type: none"><li>• Vehicle Network Types</li><li>• Network Communications &amp; ECUs</li><li>• Data Link Connector</li></ul>	<b>EXTRACT</b> <ul style="list-style-type: none"><li>• Acquisition Walkthrough</li><li>• Practical - Acquisition</li></ul>	<b>EXAMINE</b> <ul style="list-style-type: none"><li>• Network Data Overview</li><li>• Practical - Network Data Analysis</li></ul>
<b>DAY THREE</b> <b>Direct Connect Acquisitions</b>	<b>INTRODUCTION</b> <ul style="list-style-type: none"><li>• Direct Connect Acquisitions Overview</li></ul>	<b>SYSTEM ACCESS</b> <ul style="list-style-type: none"><li>• Identification, Removal &amp; Teardowns</li><li>• Resources, Tools &amp; Considerations</li><li>• Practical - System Removal</li></ul>	<b>EXTRACT</b> <ul style="list-style-type: none"><li>• Acquisition Walkthrough</li><li>• Practical - Acquisition</li></ul>	<b>EXAMINE</b> <ul style="list-style-type: none"><li>• Data Types &amp; Applications</li><li>• Practical - Analysis</li></ul>
<b>DAY FOUR</b> <b>Media Acquisitions</b>	<b>INTRODUCTION</b> <ul style="list-style-type: none"><li>• Media Acquisitions Overview</li></ul>	<b>SYSTEM ACCESS</b> <ul style="list-style-type: none"><li>• Methods</li><li>• Identification, Removal &amp; Teardowns</li><li>• Resources, Tools &amp; Considerations</li></ul>	<b>EXTRACT</b> <ul style="list-style-type: none"><li>• Acquisition Walkthrough</li><li>• Practical - Acquisition</li></ul>	<b>EXAMINE</b> <ul style="list-style-type: none"><li>• Data Types &amp; Applications</li><li>• Practical - Analysis</li></ul>
<b>DAY FIVE</b> <b>Analysis &amp; Reporting</b>	<b>ANALYSIS</b> <ul style="list-style-type: none"><li>• Case File Management</li><li>• Searching &amp; Filtering Data</li><li>• iVe Software Walkthrough</li></ul>	<b>REPORTING</b> <ul style="list-style-type: none"><li>• Exporting &amp; Sharing Acquisitions</li><li>• Tagging &amp; Report Creation</li><li>• Practical - Analysis</li></ul>	<b>FINAL ASSESSMENT</b>	

## INCLUDED IN THE COURSE

Our certification program is available to investigators who wish to earn documentation for advanced proficiency in vehicle system forensics. Upon completing the prerequisite course hours and requirements for each certification, students may choose to take one or both certification exam(s) online within 30-days of course completion.

- **CVSO** (Certified Vehicle System Forensic Operator)
- **CVST** (Certified Vehicle System Forensic Technician)
- **CVSE** (Certified Vehicle System Forensic Examiner)

Additionally, this course is approved for 40 hours of ACTAR CEUs. Contact our training team to learn more.