



# AMPED FIVE TRAINING COURSE INFORMATION

Session: Kansas City, Missouri

August 26-29, 2025

# COURSE: FORENSIC IMAGE AND VIDEO ENHANCEMENT WITH AMPED FIVE

SESSION: Kansas City, Missouri – August 26-29, 2025

## INSTRUCTOR AND CONTACTS

NAME: John Barahona

EMAIL: [john.barahona@ampedsoftware.com](mailto:john.barahona@ampedsoftware.com)

PHONE: 718-395-9736 (for any logistics or assistance)

## LOCATION / LODGING / TRAVEL INFORMATION

Students are responsible for all travel, lodging, and per diem expenses.

### TRAINING VENUE

#### **Kansas City Police Department Regional Police Academy**

6885 N.E. Pleasant Valley Road

Kansas City, Missouri 64119

816-413-3500

### NEARBY AIRPORTS

#### **Kansas City International Airport (MCI)**

1 Kansas City Blvd

Kansas City, Missouri 64153

### NEARBY ACCOMMODATIONS

#### **Holiday Inn Express & Suites: Kansas City-Liberty (Hwy 152)**

8230 N. Church

Kansas City, MO 64158

(816) 781-5555

#### **Comfort Suites Kansas City- Liberty**

8200 N. Church

Kansas City, MO 64158

(816) 781-7273

## **Fairfield Inn & Suites Kansas City Liberty**

8101 N. Church Road  
Kansas City, MO 64158  
(816) 792-4000

## GENERAL INFORMATION

Amped Software training courses provide hands-on training on the use of Amped Software products and provide insight into the challenges users face in forensic video and digital multimedia evidence processing. Our courses are delivered worldwide, in large groups or private sessions, by experienced trainers.

The purpose of the Amped Software training is to:

- Provide students with the theory and the basics of image processing
- Understand the issues affecting images and videos in an investigative context
- Acquire in-depth knowledge of all software features to solve those issues, including the technical and scientific background behind the implemented techniques
- Learn the workflow that is compatible with forensic needs and constraints to take the proper steps to obtain better results
- Work on real cases and learn to testify on the results

The **Forensic Image and Video Enhancement with Amped FIVE** course is recommended for users who recently purchased Amped FIVE and those who want to gain hands-on experience from Amped certified trainers. Students will learn the fundamentals of image and video analysis and the issues faced when using digital multimedia evidence in investigations. The course is a mixture of lectures and hands-on with many practical exercises to solve actual or simulated cases using Amped FIVE. Students will obtain the knowledge and skills required to properly analyze and process images and videos with a workflow compatible with forensic needs and constraints.

# AGENDA

<b>DAY 1</b>	<ul style="list-style-type: none"> <li>• 101 overview</li> <li>• Theoretical concepts:             <ul style="list-style-type: none"> <li>• What is an image</li> <li>• What is a video</li> <li>• Challenges with CCTVs (disturbances, restoration, and enhancement)</li> <li>• Handling videos in a forensic setting</li> </ul> </li> <li>• Adjustment filters</li> <li>• Edit (Geometrical transformations)</li> <li>• Deinterlace</li> <li>• Correct Perspective</li> <li>• Undistort</li> </ul>
<b>DAY 2</b>	<ul style="list-style-type: none"> <li>• Optical Deblurring</li> <li>• Blind Deconvolution</li> <li>• Motion Deblurring</li> <li>• Non-Linear Deblurring</li> <li>• Blind Deconvolution</li> <li>• Turbulence Deblurring</li> <li>• Verification</li> <li>• Formats and Codecs</li> <li>• Select Frames</li> <li>• Sharpen and Denoise</li> <li>• Deblocking</li> </ul>
<b>DAY 3</b>	<ul style="list-style-type: none"> <li>• Measurements</li> <li>• Channels Extraction</li> <li>• Fourier Transform</li> <li>• Selections and Local Stabilization</li> <li>• Global Stabilization</li> <li>• Frame Averaging Simple</li> <li>• Frame Averaging Stabilization</li> <li>• Perspective Registration</li> <li>• Perspective Stabilization</li> <li>• Super Resolution</li> </ul>
<b>DAY 4</b>	<ul style="list-style-type: none"> <li>• Assistant</li> <li>• Recap and discussion of most important topics</li> <li>• Final hands-on session – accurate work casework simulation and discussion</li> <li>• Customer cases analysis</li> <li>• Q&amp;A session</li> </ul>
<b>DAY SCHEDULE</b>	<p>From 8:00 am to 4:00 pm</p> <p>Morning: 8:00 am to around 11:00 am</p> <p>Lunch: 11:00 am to 12:15 pm</p> <p>Afternoon: From 12:15 to 4:00</p>
<p>This is the suggested schedule and may be subject to change according to customer requests or needs.</p>	

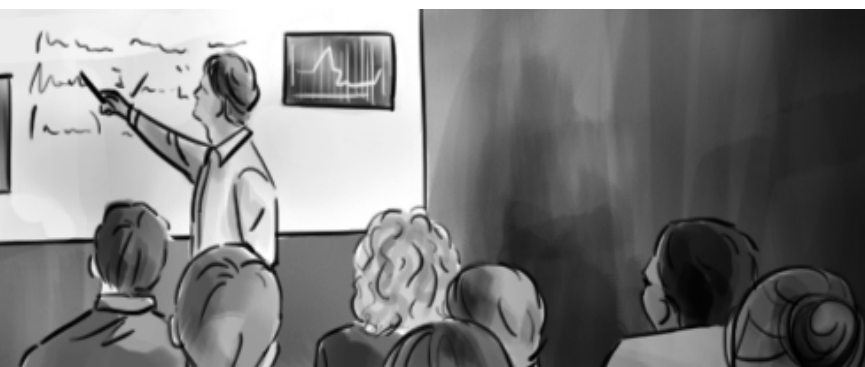
## STUDENT PREREQUISITES

- Students should be proficient with the use of Windows computers and be able to install and use software. This class is intended for users of all levels of expertise with Amped FIVE, including those with little or no previous experience. Previous experience with Digital Multimedia Evidence (DME) is recommended but not required.
- To get the most out of the training, some terms and image theory behind DME are preferred. Resources and information can be found at:
  - [https://github.com/ampedsoftware/digital\\_video\\_introduction](https://github.com/ampedsoftware/digital_video_introduction)
  - [https://drive.google.com/file/d/1pi\\_6wx67TJ1rfyDknDe0z5m-NK85hW9O/view](https://drive.google.com/file/d/1pi_6wx67TJ1rfyDknDe0z5m-NK85hW9O/view)

## TECHNICAL REQUIREMENTS

- **IMPORTANT: Each student must have their own laptop or workstation.** Any modern Windows PC is capable of running our products, but this is the suggested configuration:
  - Intel Core i5 or faster
  - 8 GB of RAM
  - 1GB of free space on the hard disk for program files
  - Windows 7 64-bit or Windows 10 64-bit
  - Full HD (1920x1080) monitor or better
  - There's no specific requirement for the graphic card
- Each student will be provided with a trial version of the software for use during the course
- In addition, students should have full rights/access to their computers, including the ability to install and remove software

We look forward to seeing you!



 **AMPED**  
SOFTWARE

info@ampedsoftware.com  
[www.ampedsoftware.com](http://www.ampedsoftware.com)



## TRAINING REGISTRATION FORM

**COURSE:** FORENSIC IMAGE AND VIDEO ENHANCEMENT WITH AMPED FIVE

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Please fill out this form for each student and send it to [sales.na@ampedsoftware.com](mailto:sales.na@ampedsoftware.com) or go to <https://ampedsoftware.com/training-registration-na> and complete this form online.

The cost of the training is USD \$1,800 per student. Students are responsible for all travel, lodging, and per diem expenses.

Once we receive this form filled, we will send you an invoice with the data you provided.

Note that the registration will only be confirmed by Amped Software after receiving payment in full for the session.

### Student Information

Name: \_\_\_\_\_

Contact Phone Number: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Extension \_\_\_\_\_

Email: \_\_\_\_\_

Agency: \_\_\_\_\_

Billing address: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

This information will be used to create or update your account on the Amped Support Portal (<https://support.ampedsoftware.com>), from where you will download your training certificates.