

# Genetec VMS crash course syllabus

## Module 1

### Video surveillance basics (optional, pre-recorded)

This optional module provides an introduction to core video management functionalities. It will help you ramp up before tackling more advanced concepts in subsequent sessions.

#### Topics covered within Module 1:

- State of the video management systems (VMS) market
- Video surveillance trends and predictions
- Video formats, resolution, compression, and codecs
- Video streaming and storage
- Camera types and how they're typically managed

## Module 2

### Architecture & core functionalities

We'll explain the main components and the typical architecture of a VMS. We'll also showcase advanced capabilities and services worth considering.

#### Topics covered within Module 2:

- VMS components and how they function with each other
- Typical architecture
- Advanced streaming, storage, and visualization capabilities
- Updating, maintenance, and other services

## Module 3

### Deployment & resiliency

In this module, we'll provide multiple deployment examples, and explain how to ensure a VMS properly blends into your environment and remains available when you need it.

Topics covered within Module 3:

- Various use cases and recommendations for each
- Comparison of distributed, centralized, and hybrid deployments
- How to fit a VMS with the infrastructure and network
- Disaster recovery capabilities

## Module 4

### Automation & intelligence

We'll cover how you can add automation and intelligence to video surveillance. We'll explain concepts that are gaining traction in the market and how they can help people in their everyday operations.

Topics covered within Module 4:

- Video automation capabilities that can deliver results today
- Simplification of AI terms and how they benefit video applications
- How to streamline video analytics deployment
- Other essential video technologies related to automation

## Module 5

### Cybersecurity & privacy protection

This final session goes through the layers of protection you can add to a VMS to properly mitigate cyber risk. We'll also discuss the implications of emerging data protection and privacy frameworks.

Topics covered within Module 5:

- How video can be protected from capturing footage to sharing evidence
- Best practices and cyber hygiene
- Detailed explanation of the essential VMS cybersecurity features
- Why connected and up to date is better
- Data and privacy protection

## Final exam

### Content covered in Modules 2 to 5

Upon completion of the crash course, you can take a final exam to test your knowledge. There will be a certificate issued to those who score over 80%.