Course Outline

Security Center: System Hardening Certification	
Code	SC-SHC-001 (5.7)
Level	Intermediate
Duration	6 hours
Target audience	Technicians, Administrators, and IT Professionals
Prerequisites	Any base-level Security Center Technical course (SC-OTC-001, SC-STC-001, SC-AFC-001, SC-AFS-001, SC-AMC-001)
Objectives	Upon successful completion of this course the participant will be able to: • Understand cybersecurity requirements • Understand multiple layers of protection in Security Center • Identify vulnerabilities at all levels of an Access Control System's architecture and configure a secure alternatives • Identify vulnerabilities at all levels of a Video Management System's architecture and configure a secure alternatives • Understand security considerations of the IT environment • Understand and configure security features of the core SC system • Understand and configure security features of connected systems
Certification	A certification Exam will be given at the end of this course.

Topic	Description
Module 1: *Introduction* (30 min)	• Intro to Genetec • Physical security & Cybersecurity • VMS threats • ACS threats
Module 2: *Multi-layered model* (30 min)	• Multiple protection layers • Authentication • Authorization • Encryption overview
Module 3: *Practical Hardening Tools - Hardware* (2 hours)	• Vulnerabilities of the ACS's & VMS's architecture • Secure architecture • Proximity Vs. Smart cards • Card Security Levels • OSDP • TLS authentication & certificate • Synergis Cloud Link

Module 4:
Practical Hardening Tools - Software
(2 hours)
	• IT Environment
	• Core SC System
	  o User management
	  o System
	  o Video
	  o Access Control
	• Connected Systems
	  o Security Center Mobile
	  o Global Cardholder Synchronizer
	  o Windows Active Directory Integration
	  o ADFS Claims Based Authentication
	  o Federation Account Restrictions
	  o Directory Gateway

Module 5: *Protection* (1 min)	• General Data Protection Regulation (GDPR) • Kiwi Security Privacy Protector
SC-SHC-001 Exam (1 hour)	• Exam • Passing grade: 80% • 1 hour