

## HIGHER NITEC IN TECHNOLOGY – SECURITY SYSTEM INTEGRATION

Course Code: HT2SI / Plan Code: HT2SI

### COURSE OBJECTIVE

This course equips students with the skills and knowledge to manage the installation, integration, commissioning and servicing of security systems.

### COURSE STRUCTURE

#### Core/Specialisation Modules

S/N	Module Details	Module Code	Module Objectives
<b>MSC: Network and System Administration</b>			
C1	<b>System Administration</b> 24 (T) 36 (P) Credits 3 Prerequisite: Nil	SN43004FP	On completion of the module, students should be able to set up server operating systems and perform system administration tasks such as user management, resource management and performance monitoring. Students should also be able to configure file server services and implement basic system security.
		Equivalent Code SY4005FP	
C2	<b>Networking for Security System</b> 30 (T) 30 (P) Credits 3 Prerequisite: Nil	SY43101FP	On completion of the module, students should be able to plan, install, configure and troubleshoot computer network system for the wired and wireless LAN environment.
		Equivalent Code SY4006FP	
<b>MSC: Video Surveillance</b>			
C3	<b>Video Surveillance Technology</b> 30 (T) 30 (P) Credits 3 Prerequisite: Nil	SY43105FP	On completion of the module, students should be able to select, test and troubleshoot video surveillance devices.
		Equivalent Code Nil	
C4	<b>Video Surveillance System</b> 20 (T) 40 (P) Credits 3 Prerequisite: Nil	SY32106FP	On completion of the module, students should be able to set up, maintain and troubleshoot surveillance systems.
		Equivalent Code Nil	
<b>MSC: Intrusion and Access Control</b>			
C5	<b>Intrusion Detection System</b> 20 (T) 40 (P) Credits 3 Prerequisite: Nil	SY43103FP	On completion of the module, students should be able to install, maintain and troubleshoot intrusion detection systems in various security environments.
		Equivalent Code Nil	
C6	<b>Access Control System</b> 30 (T) 30 (P) Credits 3 Prerequisite: Nil	SY43104FP	On completion of the module, students should be able to install, maintain and troubleshoot access control systems in various security environments.
		Equivalent Code Nil	
<b>MSC: Security System Integration and Hardening</b>			
C7	<b>Security System Integration</b> 20 (T) 40 (P) Credits 3 Prerequisite: Nil	SY53101FP	On completion of the module, students should be able to design and integrate a security system solution to meet customers' need and requirements.
		Equivalent Code SY5005FP	
C8	<b>Project Management</b> 20 (T) 40 (P) Credits 3 Prerequisite: Nil	SY53102FP	On completion of the module, students should be able to plan, execute and monitor security system project using the various project management tools and techniques to meet the project scope, schedule and cost requirements.
		Equivalent Code SY5004FP	

Abbreviations: T - Theory, P - Practical, MSC - Modular Skills Certificate

## CREDITS FOR CERTIFICATION

Total of 24 credits from successful completion of 8 Core/Specialisation modules.

Applicants who do not meet the entry requirements for Core/Specialisation modules will need to complete 12 credits from 4 Foundation modules before taking Core/Specialisation modules.

### Foundation Modules

S/N	Module Details	Module Code	Module Objectives
F1	<b>Electrical &amp; Cabling Technology</b> 20 (T) 40 (P) Credits 3 Prerequisite: Nil	SY33101FP	On completion of the module, students should be able to set up, maintain and troubleshoot cabling systems.
		Equivalent Code Nil	
F2	<b>Programming Fundamentals</b> 20 (T) 40 (P) Credits 3 Prerequisite: Nil	EC33104FP	On completion of the module, students should be able to apply programming constructs such as variables, programming syntax, sequential programming and control flow statements, in a programmable controller-based system.
		Equivalent Code Nil	
F3	<b>Networking &amp; Communications Fundamentals</b> 30 (T) 30 (P) Credits 3 Prerequisite: Nil	EC33106FP	On completion of the module, students should be able to set up, configure, maintain and test computer and communication networks. They should also be able to identify the various network topologies and protocols, and troubleshoot network connectivity faults.
		Equivalent Code Nil	
F4	<b>Cybersecurity Fundamentals</b> 30 (T) 30 (P) Credits 3 Prerequisite: Nil	SN33003FP	On completion of the module, students should be able to apply the knowledge and essential skills in all security domains in the cyber world - information security, systems security, network security, mobile security, physical security, ethics and laws, related technologies, defense and mitigation techniques use in protecting.
		Equivalent Code Nil	

Abbreviations: T - Theory, P - Practical

### VENUE

ITE College West

### Note:

- 1) Applicants must be free from colour appreciation deficiency.
- 2) The training schedule of lessons is subject to change.
- 3) Depending on the demand, not all the modules in the CET *Higher Nitec* in Technology courses will be offered in each intake. Where the modules are offered and there is insufficient enrolment, the classes will be cancelled and a full refund will be given to the affected students.