



BOSCH

Invented for life

Bosch Security and Communications Training Academy

North America Course Catalog

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classroom Courses continued)

Communications

Conferencing DCN – Next Generation

Telex Radio Dispatch Certification Training

Praesideo

RTS Intercom Full Range Training - Master Level

Electro-Voice & Dynacord – Live Sound Partner – Master Level

Electro-Voice & Dynacord – Install Partner – Master Level

FPD-7024 Expert

Intrusion

B Series Expert Certification (US)

G Series/B Series Expert Certification (US)

G Series/B Series Expert Certification (Canada)

G Series Master Certification (US)

Video Solutions

Bosch Video Management System Expert with NetApp Certification

Bosch Video Management System Expert with Appliance Storage Certification

Bosch Video Management System Master Certification

Bosch Video Essentials Master Certification

DIVAR 1 Day Overview

Cyber (Data) Security Technical Certification

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Introduction

Bosch Security and Safety Systems is a division of the Bosch Group and is a leading global supplier of security, safety and communications products. We are committed to providing our customers with innovative, high quality solutions backed by world-class customer service and support.

Our broad range of scalable, innovative and reliable products, extensive training programs and our technically competent staff enable you to design dependable solutions from a supplier you can trust. The superior performance of Bosch products combined with reduced system downtime lowers call back costs and leads to greater end user satisfaction and retention.

At Bosch, design, innovation and quality are top priorities. Our significant investment in research and development enables you to maintain your competitive edge. Our training programs ensure you understand how to get the most from our systems.

If you have any questions, please feel free to contact us at training@us.bosch.com or 800-289-0096.

Training Guidelines

Bosch now offers a state-of-the-art Learning Management System (LMS). This site improves a customer's ability to register for a course, track in-progress and completed courses, as well as to easily print certificates. Below is a list of policies and guidelines to enhance your training experience.

1. Customers must first register for access to the Training Website. To register, go to <https://academy.globalteach.com/ST/Login.aspx> and click on *Register* under *New Users*. Fill out the form and click *Submit*. (**Please note:** You choose your own User ID. Be sure it is something you will remember).
2. Course registrations are accepted only through the Training Website.
3. Confirmation of registration will be sent automatically upon registering for any course without a course fee. For courses with a fee, an emailed receipt will be sent once payment has been provided by the customer, then processed by Bosch. Processing can take up to 72 business hours.
4. Bosch Security and Safety Systems has the right to cancel a course, with at least 10 business days notice, in the case of insufficient enrollment.
5. Enrollment in a course can be canceled by a participant up to 10 business days prior to the start of the course with no penalty. Customers who cancel with less than 10 business days notice or those who do not attend a course after registering are subject to a \$500 cancellation/ no-show fee.
6. It is permissible to send a substitute participant to the course. Advanced notification of the change is always appreciated.

Bosch training facility locations

The Bosch Security and Communications Training Facilities located in Greenville (Greer), South Carolina; Rochester (Fairport), New York; Lancaster, Pennsylvania; Lincoln, Nebraska; Minneapolis (Burnsville), Minnesota; and Ontario, California; host a variety of training opportunities each month. Each course offered is outlined in the following pages, with information on prerequisites and CEUs. To find out more about Bosch Security and Communications Training and how we can support your development, please read on.

If you have any additional questions about training opportunities, please contact the Training Academy via email at training@us.bosch.com or by phone at 800-289-0096, option 7.

Burnsville, MN

12000 Portland Avenue S.
Burnsville, MN 55337

Greer, SC

140 Caliber Ridge Dr.
Greer, SC 29651

Lincoln, NE

8601 East Cornhusker Highway
Lincoln, NE 68507

Fairport, NY

130 Perinton Parkway
Fairport, NY 14450

Lancaster, PA

1706 Hempstead Road
Lancaster, PA 17601

Ontario, CA

4641 E. Guasti Road
Ontario, CA 91761

Pricing structure for technical training

Bosch offers three certification levels - Professional, Expert, and Master - that ensure consistency for training across our security product portfolio. Pricing for training is also now standardized across the portfolio.

Training level

1. **Professional**
Web-based training
2. **Expert**
Instructor-led training in a classroom or virtual
3. **Master**
Instructor-led training in a classroom or virtual
4. **Private**
Instructor-led training at a customer site or virtual

Registration fee:

Cancellation fee:

Fee for training

Free

No charge for web-based training

\$150 per person / per day (plus registration fee for classrooms)

Instructor-led training (ILT) F.01U.352.824r

\$200 per person / per day (plus registration fee for classrooms)

Instructor-led training (ILT) F.01U.352.825

\$1800 per day (registration fee waived)

Expert or Master Instructor-led training (ILT) F.01U.352.827

\$1800 per class Virtual

\$45 per person for classroom registrations

\$45 per person for classroom registrations

Not applicable for virtual trainings

Cancellation policy

Registration cancellations with more than 10 business days advanced notice will receive a full refund.

Cancellations from 1 to 10 business days prior to the start of the course will receive a refund with the exception of the \$45 registration fee.

Registrants who do not attend and do not cancel will not receive a refund.

Continuing Education Units (CEU's)

You may be eligible for continuing education credits for completing the following classes:

- GB Series Professional
- G/B Series Expert
- BVMS Professional
- BVMS Expert
- FPD-7024 Expert

Please reach out to training@us.bosch.com to see if our classes are accredited in your state.

Virtual Training

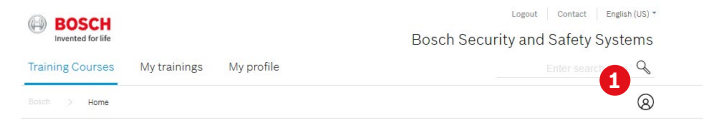
To better accommodate for your needs, some classroom courses may also be offered virtually. Visit the course description to see if this is available for your course.

Please reach out to your regional sales rep or training@us.bosch.com for any questions.

Course registration

Bosch Security Academy: <https://academy.globalteach.com/ST/Login.aspx>

Bosch Communications Academy: <https://academy.globalteach.com/Communications/Login.aspx>



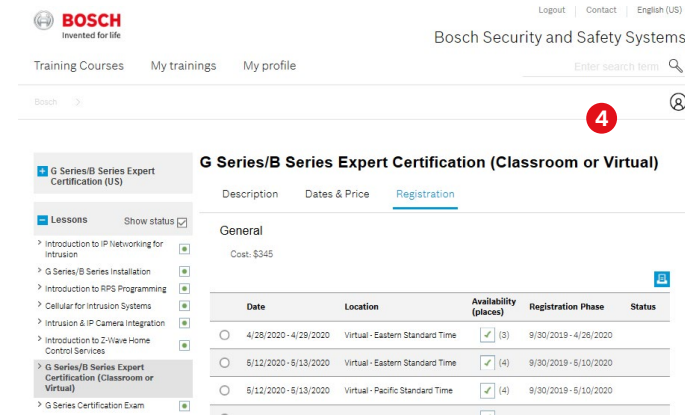
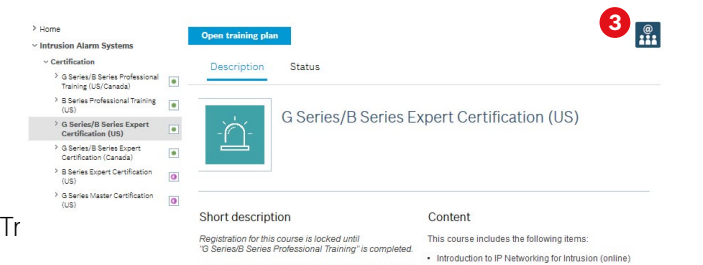
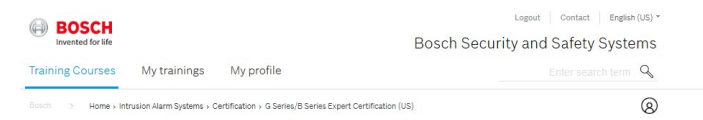
1. Courses will be under the "Training Courses" tab.



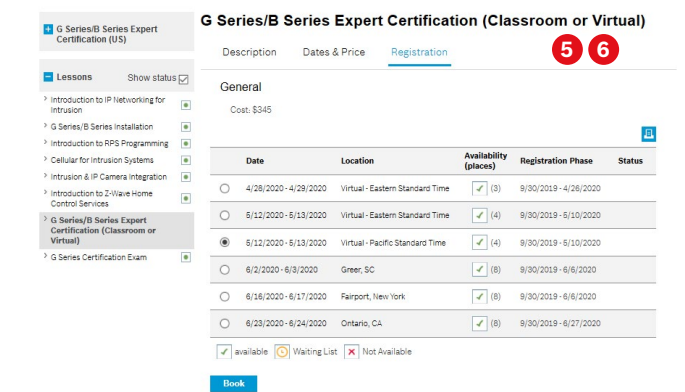
2. Choose the appropriate folder for the product training you would like.



3. After choosing a course, click the Open Training Plan or Register Button.



4. On the left-hand side, there are the online prerequisite modules, the final exam, and the Classroom course. Choose the item that says (Classroom) then click the tab for Registration. Registration for virtual courses will be closed 5pm EST the Friday before the training.



5. Choose a specific course date, then click Book.

6. If the course is free, then you will be automatically registered. If the course requires payment you will be in the class as "requested" and will receive payment instructions to your email.

Online training courses

Access	Access Easy Controller (AEC)
Content	<ul style="list-style-type: none"> – Product overview – Initial controller configuration – Video features – Hardware installation – System configuration – Utility programs
Target audience	Dealers, Installers, and Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe the features of AEC – Identify appropriate applications for AEC – Discuss the benefits of the AEC system
Prerequisites	None
Duration	3 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Access	Access Control Systems – Professional Level online trainings and exams
Content	<ul style="list-style-type: none"> – IP Networking – Access Modular Controller – AMC – Readers and Credentials - RaC
Target audience	System engineers, administrators and installers who will install and work with AMS
Purpose	The Professional Level Training Plan targets to provide you some general access control knowledge and a detailed knowledge of the Bosch Access Modular Controller (AMC) Product Family. This knowledge is essential to participate and understand the content of the AMS and BIS Expert and Master Level Trainings.
Prerequisites	None
Duration	5 hour
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Online training courses

Communications	Mass Notification and Life Safety
Content	<ul style="list-style-type: none"> – New, major changes to the National Fire Code – Intelligibility influences on building and acoustic design – System example
Target audience	Dealers, Installers, and Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand why NFPA made code changes – Explain the NFPA code changes – Describe a mass notification system – List tools for modeling sound
Prerequisites	None
Duration	1 hour
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Communications	OMNEO IP Basics
Content	<ul style="list-style-type: none"> – OMNEO Basics – OMNEO elements – Media networking requirements – OMNEO architecture
Target audience	Dealers, Installers, and Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Explain requirements and challenges for media networking – Describe program transport – Explain system control – Discuss OMNEO architecture
Prerequisites	None
Duration	30 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Communications	PLENA Matrix Technical Professional
Content	<ul style="list-style-type: none"> -PLENA Matrix System Introduction -Hardware Installation Introduction -Matrix Mixer PC Graphic User Interface (GUI) -Amplifier, Graphic User Interface (GUI) System Knowledge Assessment
Target audience	Installers, Dealers, and End Users
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Have a better understanding of the PLENA Matrix in regards to: Product Overview, Hardware & Installation, Matrix Mixer PC GUI and Amplifier PC GUIE & iOS GUI
Prerequisites	None
Duration	3 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

**Bosch Security and Safety Systems has submitted the course outline to InfoComm for credit evaluation. Credits earned will be printed on the certificate of completion for the course.

Online training courses

Communications	Electro-Voice & Dynacord - Retail Partner - Professional Level	
Content	<ul style="list-style-type: none"> – Dynacord & Electro-Voice Professional Systems Acoustic Basics – Dynacord & Electro-Voice Professional Systems Acoustic Basics Signal Chain – Dynacord L Series Amplifiers Product Training 	<ul style="list-style-type: none"> – EVOLVE 50 and EVOLVE 30M Introductions – Portable Speakers Portfolio Overview
Target audience	Retail Partners, Sales managers with commercial & marketing focus	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Contrast different applications for Electro-Voice portable speakers and Dynacord L-Series amplifiers – Perceive the particularities of signal chain in audio systems – Have a comprehensive view about Electro-Voice and Dynacord solutions for retail market 	
Prerequisites	None	
Duration	3 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Communications	Electro-Voice & Dynacord - Retail Partner - Expert Level	
Content	<ul style="list-style-type: none"> – Dynacord L Series Amplifiers System Training – Electro-Voice ZLX + ELX200 Demo Guides and Set-Up Examples – Electro-Voice EKX + ETX Demo Guides and Set-Up Examples 	<ul style="list-style-type: none"> – Electro-Voice EVOLVE 50 Demo Guide and Set-Up Examples – LOUD & CLEAR Academy
Target audience	Retail Partners, Sales managers with commercial & marketing focus	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Contrast different applications for Electro-Voice portable speakers and Dynacord L-Series amplifiers – Describe to choose the correct L amplifiers models for a project, based on system design examples – Understand how to demonstrate Electro-Voice speakers and Dynacord L series amplifiers to various audiences – Create different strategies to approach the customer with the solution which best suits their needs 	
Prerequisites	Retail Partner Training – Professional Level Certificate	
Duration	3 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Online training courses

Communications	Electro-Voice & Dynacord - Live Sound Partner - Professional Level	
Content	<ul style="list-style-type: none"> – Dynacord & Electro-Voice Professional Systems Room Acoustics, Acoustic Basics & Signal Chain – Live Sound System Introduction and Portfolio – Dynacord L and TGX Series Amplifiers Product Training 	<ul style="list-style-type: none"> – Electro-Voice N8000 digital matrix product training – OMNEO / DANTE Networking – Professional Level (IP-Basics & DANTE / OMNEO overview)
Target audience	Live Sound Partners, Sound engineers & system technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand introductory concepts about room acoustics and weight its importance in audio projects – Perceive the particularities of signal chain in audio systems – Understand EV & DC Live Sound Systems portfolio – Identify EV & DC electronics and software components applied for rental partners – Show basic knowledge on IP Networks and Audio Networks and to know their relevance for rental sound system applications – Recognize OMNEO / DANTE features and advantages in the audio IP world 	
Prerequisites	None	
Duration	4 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Communications	Electro-Voice & Dynacord - Live Sound Partner - Expert Level	
Content	<ul style="list-style-type: none"> – IRIS-Net General Software Introduction + EASE Focus 3 Quick Start Guide – Configuration and Control software introduction – Acoustic prediction software introduction 	<ul style="list-style-type: none"> – OMNEO / DANTE Networking– Expert Level (IP-Advanced & OMNEO tools) – System Design Examples with Dynacord L & TGX Series Amplifiers
Target audience	Live Sound Partners, Sound engineers & system technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Explain how to choose the correct amplifier models based on system design examples. – Design a highly economic, efficient and reliable sound system with L series & TGX series amplifiers – Understand principles of IP addressing, subnet masks and the role of network and host IDs in IP based networks – Describe how to use and setup OMNEO / DANTE tools – Recognize the principles of SONICUE (configuration and control software) – Recognize introductory concepts of IRIS-Net software – Create a basic EASE Focus 3 project 	
Prerequisites	Live Sound Training – Professional Level Certificate (Online)	
Duration	5 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Online training courses

Communications	Electro-Voice & Dynacord - Install Partner - Professional Level
Content	<ul style="list-style-type: none"> - Dynacord & Electro-Voice Professional Systems Room Acoustics, Acoustic Basics & Signal Chain - Install Sound System introduction - Dynacord C Series Amplifiers Product Training - Dynacord IPX Series Amplifiers Product Training - Electro-Voice N8000 digital matrix - OMNEO / DANTE Networking- Professional Level (IP-Basics & OMNEO overview)
Target audience	Live Sound Partners, Sound engineers & system technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> - Understand introductory concepts about room acoustics and weight its importance in audio projects - Perceive the particularities of signal chain in audio systems - Describe the Dynacord and Electro-Voice electronics and software components designed for Install partners - Recognize basic knowledge on IP Networks and Audio Networks - Recognize the principles of SONICUE (configuration and control software) - Explain OMNEO / DANTE features and advantages in the audio IP world
Prerequisites	None
Duration	4 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Communications	Electro-Voice & Dynacord - Install Partner - Expert Level
Content	<ul style="list-style-type: none"> - IRIS-Net General Software Introduction - OMNEO / DANTE Networking – Expert Level (IP-Advanced & OMNEO tools) - Dynacord IPX Series Amplifiers System Training - Dynacord C Series Amplifiers System Training
Target audience	Install Partners and Sales engineers & system technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> - Understand the IRIS-Net software - Describe how to choose the correct amplifier models based on system design examples - Design a highly economic, efficient and reliable sound system with L series & TGX series amplifiers - Understand principles of IP addressing, subnet masks and the role of network and hosts IDs - Use and setup OMNEO / DANTE tools - Demonstrate how to program IRIS-Net user interfaces using standard IRIS-Net elements and observing basic project design rules - Recognize the principles of configuration and control software - Identify the features of acoustic prediction software
Prerequisites	Install Partner Training – Professional Level Certificate
Duration	5 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Online training courses

Communications	PAVIRO Professional Level
Content	<ul style="list-style-type: none"> - PAVIRO System Introduction (V2) - PAVIRO Controller, Amplifier, Router & Call Station - PAVIRO Loudspeaker Topologies Introduction & Line Supervision - PAVIRO Networked Introduction
Target audience	EVAC Partners, Sales and marketing staff of customers, consultants, specifiers
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> - Give an overview of the PAVIRO system - Describe the hardware setup and the application of the PAVIRO devices - Understand terms like CAN bus and CST bus - Choose between the different types of loudspeaker line supervision according to application requirements - Draft a simple PAVIRO system setup - Understand different topologies and relation to router clusters - Select the right number of routers and amplifiers - Understand speaker line power allocation - Understand the signal flow between the system components - Understand the PAVIRO networking functions and features
Prerequisites	None
Duration	5 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Communications	PAVIRO Expert Level
Content	Includes 5 project design examples from Spec to BOM <ul style="list-style-type: none"> - Shopping Centre - School - Hotel - Sports Centre - Networked Systems - It also includes a Network Basics WBT
Target audience	EVAC Partners, -Consultants, System Designers
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> - Transfer technical and functional project requirement specifications into a correct system design and turn it into a Bill of Materials
Prerequisites	PAVIRO Training - Professional Level
Duration	3 hours 30 min
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Online training courses

Communications	PRAESIDEO Professional Level	
Content	<ul style="list-style-type: none"> – PRAESIDEO Introduction – PRAESIDEO Architecture – PRAESIDEO Priorities – PRAESIDEO Call Station Keypad Functions – PRAESIDEO Control input functions – PRAESIDEO Control output functions 	<ul style="list-style-type: none"> – PRAESIDEO Key characteristics – PRAESIDEO Call macro's – PRAESIDEO PC connection – PRAESIDEO Security – PRAESIDEO Software 4.nn
Target audience	Engineers and installing companies, sales and marketing staff, system specifiers	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand the basics of the PRAESIDEO system and should be ready to participate in the PRAESIDEO Classroom Training 	
Prerequisites	<ul style="list-style-type: none"> – Basic knowledge of electronics, acoustics and public address systems. – Optional: PA Basics Online Training 	
Duration	2 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Communications	DICENTIS Professional	
Content	<ul style="list-style-type: none"> – OMNEO Networking – Professional Level (IP-Basics & OMNEO overview) – The DICENTIS System – applications – Central equipment – Discussion devices 	<ul style="list-style-type: none"> – Microphones – Interpreter desks – Software – Accessories and Installation Equipment – Basic system overview
Target audience	Systems Integrators, Distributors, Installers, Specifiers, Consultants, Sales and Marketing & End Users	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Recognize system hardware and software components – Understand system & components features – Identify system connectivity – Describe a basic system overview – Show knowledge on IP Networks and Audio Networks 	
Prerequisites	None	
Duration	3 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Online training courses

Communications	RTS Intercom Full Range Training - Professional Level	
Content	<ul style="list-style-type: none"> – Intercom basics – RTS Intercom Product Portfolio – OMNEO Networking - Professional Level (IP Basics & OMNEO Overview) 	<ul style="list-style-type: none"> – RTS Configuration Software Overview – Online Exam – Professional Level
Target audience	Broadcast & Theatre audio engineers + Intercom users	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand the basic concepts about Intercom system – Recognize RTS Intercom product family and its applications – Explain OMNEO features and advantages in the audio IP world – Recognize basic knowledge on IP Networks and Audio Networks – Understand RTS Configuration Software suite key features to setup RTS Intercom Digital Matrixes Systems 	
Prerequisites	None	
Duration	2 hours 30 min	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Communications	DCN-NG Conference System	
Content	<ul style="list-style-type: none"> – DCN Conference Solutions without PC Control – Single-CCU2 – Multi-CCU2 – DCN Conference Solutions with PC Control – DCN-SWSMV 	<ul style="list-style-type: none"> – DCN-SW – HD Camera Control Solutions – DCN Conference Solutions third party interface possibilities – INTEGRUS Language Distribution System
Target audience	Systems Integrators, Distributors, Installers and Consultants	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – A full understanding of designing, installing and operating DCN Conference Solutions and First Line Services – A basic understanding of designing, installing and operating DCN Conference Solutions with PC Control – A full understanding of designing, installing and operating DCN Conference Solutions with Camera Control – A basic understanding of Open interface (LBB4187), DCB-SWSMD and DCN-SWAPI – A full understanding of designing, installing and operation of INTEGRUS Language Distribution System and First Line Services 	
Prerequisites	None	
Duration	5 Days	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Online training courses

Fire	FPA 1000 Fire Alarm Control Panel	
Content	<ul style="list-style-type: none"> – Product overview – SLC Device installation – User operations – Keypad/command center 	<ul style="list-style-type: none"> – Hardware installation – Option Bus Device installation – Programming basics and shortcuts – Browser-based operation and programming
Target audience	Dealers, Installers, and Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe the FPA 1000 Fire Alarm Control Panel – List key features of the panel – Identify appropriate applications for the FPA 1000 Fire Alarm Control Panel – Identify various system options and their part numbers 	
Prerequisites	None	
Duration	4 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Fire	FPD-7024 Fire Control Panel Professional	
Content	<ul style="list-style-type: none"> – Product overview – Option Bus Device installation – Command center user operation – Setting system parameters – RPS: setting up hardware – RPS: mapping zone outputs 	<ul style="list-style-type: none"> – Hardware installation – Keypad user operation – Local programming – Mapping zone outputs – RPS: setting system parameters
Target audience	Dealers, Installers, and Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe the FPD-7024 Fire Control Panel – List key features of the panel – Identify appropriate applications for the FPD-7024 Fire Control Panel – Identify various system options and their part numbers 	
Prerequisites	None	
Duration	4.5 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Online training courses

Fire	Basics of Video Fire Detection	
Content	<ul style="list-style-type: none"> – Concept of AVIOTEC – Algorithms – Limitations 	<ul style="list-style-type: none"> – How to find an application for AVIOTEC – How to configure AVIOTEC – How to set up the camera
Target audience	System Integrators	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Explain what video based fire detection is – Understand how the fire and smoke algorithms work – Explain under which conditions AVIOTEC does not detect fire or smoke – Install and configure AVIOTEC – Differentiate between the advantages of AVIOTEC and standard fire detection – Decide for which applications AVIOTEC is suitable 	
Prerequisites	None	
Duration	45 minutes	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Online training courses

Intrusion	G Series/B Series Professional Training (US/Canada)
Content	<ul style="list-style-type: none"> – G Series/B Series Integrated System Overview – Intrusion System Fundamentals
Target audience	Installers, System Programmers, Service Technicians, Project Managers, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify the components of an intrusion alarm system – Determine which G Series and B Series panel is right for each application, based on the features and benefits
Prerequisites	None
Duration	1 hour
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx
CEU Credits	This course may be accredited for CEU credits

Intrusion	B Series Professional Training (US)
Content	<ul style="list-style-type: none"> – Intrusion System Fundamentals – B Series Integrated System Overview
Target audience	Installers, System Programmers, Service Technicians, Project Managers, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify the components of an intrusion alarm system – Determine which B Series panel is right for each application, based on the features and benefits
Prerequisites	None
Duration	1 hour
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	Intrusion System Fundamentals
Content	<ul style="list-style-type: none"> – Security system basics
Target audience	Dealers, Installers, and Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe what an intrusion alarm system does – Identify and understand the components of an intrusion alarm system – Identify the best coverage pattern for your space – Determine which reporting option is best for your installation – Explain how a system is wired
Prerequisites	None
Duration	10 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Online training courses

Intrusion	Introduction to IP Networking for Intrusion
Content	<ul style="list-style-type: none"> – IP networking information location – IP networking connections – Key Terms – Communication option
Target audience	Installers, Programmers, Service Technicians, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Locate and utilize IP network information – Install security systems with IP network connections – Explain key terms – Identify and use network communication options
Prerequisites	None
Duration	20 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	G Series/B Series Integrated Intrusion Systems Overview
Content	<ul style="list-style-type: none"> – Bosch Corporate Overview – Control Panel Features – Peripheral Devices – Integration Options – Additional Features
Target audience	Installers, Programmers, Service Technicians, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify the features of Bosch Intrusion Control Panels – Choose the correct peripheral devices for your installation – Understand system integration options
Prerequisites	None
Duration	30 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Online training courses

Intrusion	Intrusion Detector Fundamentals
Content	<ul style="list-style-type: none"> – Detector Basics – Bosch Motion Detector Overview – Motion Detector Selection – Bosch Detector Total Cost of Ownership
Target audience	Installers, Service Technicians, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify different types of detectors – Differentiate between motion detector technologies and choose the right technology for your application – Understand the Bosch detector portfolio – Identify key factors to consider when selecting a motion detector – Estimate your Return on Investment for Bosch Motion Detectors
Prerequisites	None
Duration	2.5 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	G Series/B Series Installation
Content	<ul style="list-style-type: none"> – Connecting system components – Wiring system components
Target audience	Installers, Service Technicians, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify system components – Wire and connect components to the control panel – Mount enclosure and install the control panel
Prerequisites	None
Duration	30 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	B Series Installation
Content	<ul style="list-style-type: none"> – Wiring system components – Connecting system components
Target audience	Installers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify system components – Wire and connect components to the control panel – Mount enclosure and install the control pane
Prerequisites	None
Duration	30 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Intrusion	Introduction to RPS Programming
Content	<ul style="list-style-type: none"> – Installation – Keypad programming – Firmware upgrade
Target audience	Installers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Install the latest version of RPS – Identify keypad programming options – Program system points in RPS – Upgrade firmware
Prerequisites	None
Duration	40 mins
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	Advanced RPS Programming
Content	– This course reviews additional RPS programming functions
Target audience	Programmers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Configure communications for reporting and notifications – Assign keypads to areas and configure keypad functions – Enable and configure duress alarms – Create custom functions – Configure points for RADION devices – Use virtual points – Use Bosch IP cameras as inputs and outputs
Prerequisites	Introduction to RPS Programming
Duration	1 hour
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Intrusion	Intrusion and IP Camera Integration
Content	<ul style="list-style-type: none"> – Benefits of using Bosch IP cameras with G Series and B Series Control panels – How to set up your system using MOTION +
Target audience	Installers, Engineers, System Integrators, and Commercial Professionals that work with Bosch Integrated Intrusion Control Panels
Purpose	After completing this course, you will be able to <ul style="list-style-type: none"> – Identify the benefits of using Bosch IP cameras with G Series & B Series Control Panels – Configure the control panel and Bosch IP cameras to work together, using MOTION+
Prerequisites	None
Duration	40 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	Cellular for Intrusion Systems (US)
Content	<ul style="list-style-type: none"> – Installer Services Portal – Module options – Installation – Web Services setup – Activation – Invoicing
Target audience	Installers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Sign up for cellular service – Choose the correct cellular module – Install the cellular module – Set up web services and activate CDMA – Configure primary path for cellular in RPS – Understand the invoice
Prerequisites	None
Duration	20 mins
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Intrusion	Cellular for Canada
Content	<ul style="list-style-type: none"> – Installer Services Portal – Module options – Installation – Web Services setup – Activation – Invoicing
Target audience	Installers, Programmers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Sign up for cellular service – Choose the correct cellular module – Install the cellular module – Set up web services and activate CDMA – Configure primary path for cellular in RPS – Understand the invoice
Prerequisites	None
Duration	20 mins
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	Introduction to Remote Connect
Content	<ul style="list-style-type: none"> – Cloud Panel Setup – Remote Security Control – Build a Remote Access Profile
Target audience	Installers, Programmers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Build a Remote Access Profile – Navigate the Remote Security Control App
Prerequisites	None
Duration	6 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Intrusion	Introduction to Z-Wave Home Control Services
Content	<ul style="list-style-type: none"> – Sign up and Get Started with Bosch Service Portal – RPS and Webpage / LAN Configuration – Dashboard and App Navigation – Add a Device – Add a Scene – Customize Modes
Target audience	Programmers and sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand Bosch’s Z-Wave Home Control services
Prerequisites	None
Duration	15 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	B465 Dual Path Communicator: Installation and Programming
Content	This course will familiarize you with the B465 Dual Path Communicator options, setup, and installation.
Target audience	Installers, Programmers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand the capabilities of the B465 module – Install the B465 module – Upgrade the firmware of the B465 module – Program the B465 module
Prerequisites	None
Duration	15 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	Conettix Receiver Setup
Content	This course teaches basic configuration for a Conettix receiver via a series of videos.
Target audience	Installers, Programmers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Download and install software – Configure network – Assign IP address – Set up receiver – Connect to automation – Configure communication – Set up and manage accounts
Prerequisites	Introduction to RPS Programming
Duration	20 mins
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Intrusion	ISC-SK10 Shock Sensor
Content	This course provides an introduction to the ISC-SK10 Shock Sensor via a recorded webinar
Target audience	Installers, Service Technicians, Sales
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify appropriate applications for use of the ISC-SK10 Shock Sensor – Identify the types of attacks the sensor can detect – Recognize installation considerations
Prerequisites	None
Duration	15 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	GV4 Overview
Content	This course includes the following items <ul style="list-style-type: none"> – Intrusion System Fundamentals (online) – Bosch GV4 Basics (online) – Bosch GV4 Hardware (online) – Introduction to RPS Software (online) – Advanced RPS Programming (online) – Bosch GV4 Troubleshooting (online) – Bosch ZONEX Devices (online) – GV4 Assessment (online)
Target audience	Installers, Programmers, Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Configure devices and program the control panel according to the needs of a customer – Use Bosch’s Remote Programming Software (RPS) to program control panel parameters – Troubleshoot potential configuration issues
Prerequisites	None
Duration	3 hours, 20 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Online training courses

Intrusion	B940W Slim Touch Keypad Product Introduction Training
Content	This course includes the following items <ul style="list-style-type: none"> – Product information – Technical specifications – Characteristics – How to videos
Target audience	Installers, System Programmers, Service Technicians, Project Managers, Sales
Purpose	Learn the commercial and technical characteristics of the new B940W Slim touch keypad
Prerequisites	None
Duration	20 minutes
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	G Series/B Series Expert Recertification
Content	<ul style="list-style-type: none"> – Introduction – Resources – Terminology – End of Life Products – Firmware updates – New RPS Features – New Products – B444-A Plug-in cellular module introduction training – B940W Slim touch keypad product introduction training – RADION Wireless Devices: Portfolio Expansion – Assessment
Target audience	Installers, System Programmers, Service Technicians
Purpose	Completion of this training will renew the G Series/B Series Expert certification for 2 years
Prerequisites	G Series/B Series Expert Certification
Duration	2 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Intrusion	G Series/B Series Master Recertification
Content	<ul style="list-style-type: none"> – Introduction – Resources – Terminology – End of Life Products – Firmware updates – New RPS Features – New Products – B444-A Plug-in cellular module introduction training – B940W Slim touch keypad product introduction training – RADION Wireless Devices: Portfolio Expansion – Assessment
Target audience	Installers, System Programmers, Service Technicians
Purpose	Completion of this training will renew the G Series Master certification for 2 years
Prerequisites	G Series Master Certification
Duration	2 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Video Solutions	Bosch Video Systems Professional Certification (commercial)
Content	This training plan is composed of 14 modules <ol style="list-style-type: none"> 1.Startup instruction 2.Introduction 3.Quality and Trust 4.Easy installation 5.Leading solutions 6.Video Analytics 7.In_Store Analytics 8.Business Intelligence 9.Shaping the future 10.Fixed camera portfolio 11.Thermal camera portfolio 12.Moving camera portfolio 13.Recorder portfolio 14.End of training
Target audience	Commercial people, installers, system designers and distributors
Purpose	This training will explain the Bosch philosophy and the technologies behind our products. We will guide you through our different solutions and products that have been created for your needs.
Prerequisites	None
Duration	2 hour
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

Video Solutions	Bosch IP Basics for Video Solutions
Content	<ul style="list-style-type: none"> – IP video basics – Basic configuration of IP devices
Target audience	Dealers, Installers, and Service Technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Identify main components of IP video surveillance systems – Describe the major differences between SD, HD, and MP cameras – List cameras from the Bosch Common Product Platform portfolio and their features – Describe how to obtain firmware and software updates for Bosch encoders and IP cameras – Identify Configuration Manager and Configuration Wizard and describe differences – Password-protect the Configuration Manager application – Perform network discovery, assign valid IP addresses, verify live video feed, name devices, and set date and time of network encoders – Determine firmware version and update, if necessary
Prerequisites	None
Duration	1.5 hours
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx

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Online training courses

Video Solutions	IP Camera Essentials	
Content	<ul style="list-style-type: none"> – IP Camera elements – Video encoding – Technologies 	<ul style="list-style-type: none"> – IP camera fixed portfolio – IP camera moving portfolio – Common product platform
Target audience	Dealers, Installers, Service Technicians, Commercial sales members	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand basic training on IP Camera Essential, see content for more 	
Prerequisites	Bosch Video Systems Professional Training (commercial)	
Duration	1.75 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Video Solutions	Bosch Video Systems Expert Certification (system design)	
Content	<ul style="list-style-type: none"> – History of C.C.T.V – Camera fundamentals – Recording fundamentals – Project design fundamentals 	<ul style="list-style-type: none"> – Video analytics, designing solutions – Bosch Video Systems Expert quiz (available without prerequisite with a maximum of 2 attempts)
Target audience	Commercial people, installers, system designers and distributors	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand the Bosch video and camera system design 	
Prerequisites	Bosch Video Systems Professional Certification (commercial)	
Duration	4 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Video Solutions	Video Analytics Technical Certification Training	
Content	<ul style="list-style-type: none"> – Bosch video analytics at the edge – Essentials and intelligent video analytics – Essentials and intelligent video analytics advanced configuration 	<ul style="list-style-type: none"> – Flow configuration – Forensic search – Application Design
Target audience	Dealers, Installers, Service Technicians, Commercial sales members	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Complete after taking the IP Camera Essentials 	
Prerequisites	None	
Duration	2 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

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Online training courses

Video Solutions	Bosch License Plate Capture	
Content	<ul style="list-style-type: none"> – License plate capture and recognition – Product portfolio and technical specifications – Installing license plate capture cameras and recognition systemsn 	
Target audience	Dealers, Installers, and Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe license plate capture and recognition technologies – Explain difference between standard cameras and license plate capture cameras – Identify features of license plate capture cameras – Identify and describe considerations for installation – Describe proper integration with license plate recognition 	
Prerequisites	None	
Duration	1 hour	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Video Solutions	IP Recording Essentials	
Content	<ul style="list-style-type: none"> – IP Recording Fundamentals – IP Recording Portfolio – Local and cloud storage recording 	<ul style="list-style-type: none"> – DIVAR IP 5000 – DIVAR IP 3000/7000 – DIVAR IP 6000
Target audience	Dealers, Installers, Service Technicians, Commercial sales members	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Know basic training on IP Recording Essentials, see content for more information 	
Prerequisites	IP Camera Essentials Training	
Duration	1.75 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

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Online training courses

Video Solutions	BVMS Professional Level Online Training Plan: Technical Focus	
Content	<ul style="list-style-type: none"> – Fixed camera portfolio – Moving camera portfolio – Thermal camera portfolio – Recorder portfolio – Video Analytics – IP Networking Basics – BVMS Essentials - Module 1: Main system components (Web based Training with voice) 	<ul style="list-style-type: none"> – BVMS Essentials - Module 2: Basic interaction between system components (Web based Training with voice) – BVMS Essentials - Module 3: Additional system components (Web based Training with voice) – BVMS Essentials - Module 4: Base licenses of the BVMS product family (Web based Training with artificial voice)
Target audience	System engineers, administrators and installers	
Purpose	To better understand the basics of networking, IP Basics, BVMS components, and the how the BVMS system components work together.	
Prerequisites	None	
Duration	3 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	
CEU Credits	This course may be accredited for CEU credits	

Video Solutions	BVMS Operator Client	
Content	<ul style="list-style-type: none"> – Operator Client overview and login instructions – Alarm management and keyboard operations 	<ul style="list-style-type: none"> – Live and Playback functionality – Video search and export
Target audience	Dealers, Installers, and Service Technicians	
Purpose	After completing this course, you will be able to: <ol style="list-style-type: none"> 1. Understand the basics and features of Operator Client 2. How to perform Live and Playback functions to include exports 3. How to navigate Alarm features and notifications 4. Keyboard operations and movements 	
Prerequisites	None	
Duration	2.5 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Online training courses

Video Solutions	DIVAR IP 2000 and 6000 Appliances	
Content	<ul style="list-style-type: none"> – Product overview – Installation and basic setup – Maintenance and repair 	<ul style="list-style-type: none"> – Hardware and software – Basic VRM configuration
Target audience	Technicians, Project Managers, IT Professionals, and Sales	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe the DIVAR IP 2000 and 6000 storage appliances – Identify hardware and software specifications for the DIVAR IP 2000 and 6000 – Describe the installation process – Identify the basic configuration process – Add and configure system components using Configuration Manager – Configure recording preferences, modes, profiles and schedules – Use BVMS to check live playback – Use VRM Monitor for maintenance and troubleshooting – Identify the field-replaceable parts for the DIVAR IP 2000 and 6000 – Describe how to perform maintenance or replacement for those parts 	
Prerequisites	None	
Duration	3 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

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Online training courses

Video Solutions	DIVAR IP 3000 and 7000 Appliances	
Content	<ul style="list-style-type: none"> – Product overview – Basic configuration 	<ul style="list-style-type: none"> – Technical specifications and installation – Maintenance and repair
Target audience	Dealers, Installers, and Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe the DIVAR IP 3000 and 7000 storage appliances – Identify hardware and software specifications for the DIVAR IP 3000 and 7000 – Describe the mounting and installation options – Identify basic configuration for the DIVAR IP 3000 and 7000 – Identify the field-replaceable parts for the DIVAR IP 3000 and 7000 – Describe how to perform maintenance or replacement for those parts – Describe the process for reimaging the system 	
Prerequisites	None	
Duration	3 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

Video Solutions	Network Basics	
Content	<ul style="list-style-type: none"> – IP Addressing and Subnetting – Open System Interconnection (OSI) model 	<ul style="list-style-type: none"> – Topologies and cabling – Network troubleshooting commands – Ports and selection of network switches
Target audience	Technicians, Project Managers, IT Professionals, and Sales	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe IP addressing fundamentals – Describe various network topologies and transmission mediums – Discuss the OSI model – Troubleshoot ports and interface problems – Describe how to select network switches 	
Prerequisites	None	
Duration	1.5 hours	
Location	Online at https://academy.globalteach.com/ST/Catalog.aspx	

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Classroom training courses

Access Control	Access Control Systems - Access Professional Edition (APE)	
Content	<ul style="list-style-type: none"> – Adding AMCs – Creating Entrances – Configuring I/Os – Adding schedules 	<ul style="list-style-type: none"> – Assigning permissions – Creating card holders – Monitoring system
Target audience	Installers, Integrators and Project Managers utilizing the APE system	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Program the Bosch APE access control panel to meet customer criteria for their card access needs 	
Prerequisites	<ul style="list-style-type: none"> – IP Networking Basics (Web Based Training) – Access Modular Controller (AMC) Overall Test for all AMC modules – Access Control Readers and Credentials 	
Duration	2 days	
Course fee	Classroom:- \$345, Virtual - \$300	
Location	Any Bosch Training Facility	

Access	Access Management Systems (AMS) – Expert Level trainings and exams	
Content	<ul style="list-style-type: none"> – Fundamentals of Access Management System Software – Basic programming of the AMC2 Controller – Installation of AMS in Server-Client architecture – Door Models – Setting up door and reader parameters – Working in MapView – Working with the Badge Designer application 	<ul style="list-style-type: none"> – PIN code types in AMS – Time Models – Random Screening – Blocking and Blacklisting – Reports – Use of the web-based cardholder data import/export tool – Backup and Restore – Licensing
Target audience	Installers, Project Engineers and Technical support companies	
Purpose	After completing this Course, you will be able to work with and set up an access control system based on Bosch AMC hardware and Access Management System Software.	
Prerequisites	<ul style="list-style-type: none"> – Basic network knowledge – Beneficial if you already have some experience in access control systems, installation and configuration. – IP Networking Basics Online Training – Readers and Credentials Online Training and its exam – AMC Product Portfolio Online Training series and the AMC Exam 	
Duration	2 Days	
Location	Any Bosch Training Facility	
Course Fee	\$345	

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**Bosch Security and Safety Systems has submitted the course outline to InfoComm for credit evaluation. Credits earned will be printed on the certificate of completion for the course.

Classroom training courses

Access	Access Control Systems - Access Management System (AMS) Master Training	
Content	<ul style="list-style-type: none"> - Installation of AMS Server, Client and Mapview - Configuring AMS - Door Models - Badge Designer - FP Reader configuration (if there is FP reader, then we will do it life as well, otherwise PPT) - PIN Codes - Configurable data fields - Time- and Day Models 	<ul style="list-style-type: none"> - Mapview (configuring, working with Mapview, implement changes in Mapview, Swipe ticker) - Connect to BVMS (configuring BVMS for it, configuring AMS for it, working with this connection) - Threat Level Management - Backup/Restore - Licensing - Basic troubleshooting - Test
Target audience	Installers, Project Engineers and Technical support companies	
Purpose	<p>Upon successful completion of an AMS Master Level Training and its online Exam, beyond the gathered knowledge and skills at Expert Level, you will be able to:</p> <ul style="list-style-type: none"> - Configure and use the compatible Fingerprint Reader - Configure and work with the advanced features of AMS - Configure the Threat Level Management and help your customer to find out appropriate Threat Level Scenarios - Configure and operate your AMS with multiple MACs - Offer and configure the feature "Divisions" to projects - Establish and configure the connection between AMS and Bosch Video Management System - Connect the Bosch B/G Series Intrusion panels to AMS - Work with the Elevator Door Model - Importing and Exporting Cardholder data with the web-based Import/Export Tool 	
Prerequisites	Access Control Systems – Access Management Systems (AMS) – Expert Level trainings and exams	
Duration	2 Days	
Location	Any Bosch training facility or private trainings which are offered by request only	
Course Fee	\$445	

Classroom training courses

Communications	Conferencing DCN – Next Generation	
Content	<ul style="list-style-type: none"> - System Technology - System Design - Installing and Operating 	<ul style="list-style-type: none"> - Product Technology - Exercise
Target audience	Participants new in DCN Next Generation Multi-CCU system	
Purpose	<p>After completing this course, you will be able to:</p> <ul style="list-style-type: none"> - Identify the capabilities and differences of Bosch Conference systems - Identify and setup the different types of Conference Control Units - Identify proper device installation and wiring practices - Install and configure DCNM software 	
Prerequisites	None	
No. of participants	Minimum of 3	Facility Dependent
Duration	2 days	
Location	Burnsville, MN	
CEU credits**	10.0 RUs	
Course fee	\$595	

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Classroom training courses

Communications	Telex Radio Dispatch Certification Training	
Content	<ul style="list-style-type: none"> – Review of networking terms, protocols, architecture, and security – Review of networking requirements and considerations for TELEX Radio Dispatch systems– Introduction to IP-224 – Review design and layout considerations for C-Soft dispatch screens 	<ul style="list-style-type: none"> – Review system design considerations and best practices – Hands on system programming, hardware configuration and setup – Hands on system troubleshooting – Practical Exam – Master Level
Target audience	Sales engineers & systems technicians	
Purpose	<ul style="list-style-type: none"> – After completing this course, you will be able to: – Setup an RoIP network including application and use case considerations – Demonstrate an understanding of direct IP interfaces for P25 DFSI/CSSI, NEXEDGE, and DMR/AIS along with encryption options – Demonstrate an understanding of control station interfaces including supported radios, features, and signaling – Demonstrate radio gateway modes of operation (local, console, tone and crosspatch) – Demonstrate management of hardware devices, including firmware upgrades, using Telex System Manager (TSM) – Correctly setup radio gateway(s) and audio interfaces – Correctly identify requirements, install, and license C-Soft including options – Correctly design and program a C-Soft based system including the SIP interface – Correctly align and test a dispatch system using Telex hardware and software – Demonstrate knowledge of radio system troubleshooting including IP network and C-Soft programming 	
Prerequisites	None	
No. of participants	Minimum of 3	Maximum of 6
Duration	2.5 days	
Location	Any Bosch Training Facility	
CEU credits**	9.0 RUs	
Course fee	\$595 at Bosch Facility, \$895 at other location, \$150 for recertification	

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

**Bosch Security and Safety Systems has submitted the course outline to InfoComm for credit evaluation. Credits earned will be printed on the certificate of completion for the course.

Classroom training courses

Communications	Praesideo	
Content	<ul style="list-style-type: none"> – Introduction to Praesideo – System components – Software: Installation and updates – Configuration – System bus powering – MCI/BAM 	<ul style="list-style-type: none"> – Network basics and architecture – PC connections – Recording and setting messages – Power consumption – PC Call Station – CobraNet basics and configuration
Target audience	AV Dealers, AV Integrators, Engineers, Consultants	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Design and program a Praesideo system 	
Prerequisites	<ul style="list-style-type: none"> – Public Address: 70V Audio and Business Music – Pro Audio: Networking Basics – Pro Audio: OMNEO IP Basics – Pro Audio: OMNEO Selling – Pro Audio: Praesideo Basics #1: System Components Overview (Online Courses) 	
No. of participants	Minimum of 3	Maximum of 6
Duration	3 days	
Location	Burnsville, MN and Ontario, CA Training Facilities	
CEU credits**	12.5 InfoComm RUs	
Course fee	\$595	

Communications	RTS Intercom Full Range Training - Master Level	
Content	<ul style="list-style-type: none"> – Hands on different RTS Intercom Matrices – RTS Intercom Keypansels – IPEdit and AZEdit setup on live systems – ADAM and ADAM-M cards – Port Allocation – RTS Trunking 	<ul style="list-style-type: none"> – RTS Intercom Accessories – Integration with third party system – Commercial Sales Training: <ul style="list-style-type: none"> o RTS Intercom System differentiators o How to beat competition o RTS Intercom Innovations and opportunities
Target audience	Sales engineers & systems technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Commissioning of Full Range RTS Intercom Systems – Show RTS Intercom system integration with third party systems – Understand different system sizes and complexities – Describe RTS Intercom system positioning in the market 	
Prerequisites	RTS Intercom - Expert Level Certificate (Online)	
No. of participants	Participants based on location	
Duration	2 days	
Location	Any Bosch Training Facility	
Course fee	\$445	

Classroom training courses

Communications	Electro-Voice & Dynacord – Live Sound Partner – Master Level
Content	<ul style="list-style-type: none"> – Electro-Voice and Dynacord Live Sound system setup and configuration – Electro-Voice and Dynacord Live Sound system tuning – Electro-Voice and Dynacord Live Sound advanced system operation – Electro-Voice and Dynacord Live Sound system examples – Electro-Voice and Dynacord Live Sound system troubleshooting
Target audience	Live Sound Partners, Sound engineers & system technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Commission an Electro-Voice and Dynacord Live Sound system – Show how to troubleshoot an Electro-Voice and Dynacord Live Sound system – Recognize the particularities and characteristics of Live Sound systems – Explain the best practices to setup and configure a Live Sound system – Understand the importance and complexity of tuning Live Sound systems
Prerequisites	Live Sound Training – Expert Level Certificate (Online)
No. of participants	Participants based on location
Duration	2 days
Location	Any Bosch Training Facility
Course fee	\$645

Communications	Electro-Voice & Dynacord – Install Partner – Master Level
Content	<ul style="list-style-type: none"> – Electro-Voice and Dynacord system design and examples – Electro-Voice and Dynacord advanced system operation – Electro-Voice and Dynacord system programming and configuration – Electro-Voice and Dynacord system commissioning and tuning
Target audience	Install Partners, Sales engineers & system technicians
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Design a Electro-Voice and Dynacord fixed installed system – Understand the importance and complexity of tuning fixed installation systems – Show the best practices to program and configure a fixed installation system – Determine the best practices for commissioning a installed system
Prerequisites	Install Partner Training – Expert Level Certificate (Online)
No. of participants	Participants based on location
Duration	3 days
Location	Any Bosch Training Facility
Course fee	\$645

Classroom training courses

Fire	FPD-7024 Expert	
Content	<ul style="list-style-type: none"> – FACU fundamentals – RPS 7024 overview – Installation FPD-7024 – Planning of Wiring and Installation of field devices – Keypads, LED / Visual Notification, and annunciators 	<ul style="list-style-type: none"> – Onboard inputs and outputs – Option bus devices – System operation – Control Panel Programming – Troubleshooting
Target audience	Live Sound Partners, Sound engineers & system technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Install and mount a FPD-7024 FACP, provide initial primary and secondary power, and connect remote programming to the panel. – Explain function and benefits of D7039 MUX module; demonstrate how to add a D7039 MUX Module to the system, and explain how the onboard keypad responds to this action – Define number of onboard Notification Appliance Circuits and their individual and combined amperage capacity – Explain the battery/NAC test, including how long the battery is tested – Differentiate between Zone Input and Addressable Point testing; describe the five options available in Addressable Point testing. – Demonstrate the necessary steps for keypad programming a daily test report to be sent at a specified time 	
Prerequisites	<ul style="list-style-type: none"> – FPD-7024 Professional – Bosch G Series Expert Level training strongly recommended – Bosch G Series Professional level training recommended – Conettix IP course recommended if FPD-7024 FACPs are to be connected to a D6600 or a D6100 Receiver 	
No. of participants	Participants based on location	Virtual: Maximum of 4
Duration	Classroom - 2 days, Virtual - 2 days	
Location	Any Bosch training facility, virtually, or private trainings which are offered by request only	
CEU credits	This course may be accredited for CEU credits	
Course fee	Classroom - \$345, Virtual - \$300	

Intrusion	B Series Expert Certification (US)	
Content	<ul style="list-style-type: none"> – Introduction to IP Networking for Intrusion (online) – B Series Installation (online) – Introduction to RPS Programming (online) – Cellular for Intrusion Systems (US)(online) 	<ul style="list-style-type: none"> – Intrusion and IP Camera Integration (online) – Introduction to Z-Wave Home Control (online) – B Series Expert Certification (classroom) – Certification Exam (online)
Target audience	Distributors, Installers, System Programmers, Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Configure devices and program the control panel according to the needs of a customer – User Bosch’s Remote Programming Software (RPS) to program control panel parameters – Troubleshoot potential configuration issues 	
Prerequisites	B Series Professional Training (US)	
No. of participants	Minimum of 3	
Duration	Online pre-work – 2.5 hours / Classroom – 2 days / Virtual – 2 days	
Location	Any Bosch Training Facility	
Course fee	Classroom: \$345 Virtual: \$300	

Classroom training courses

Intrusion	G Series/B Series Expert Certification (US)	
Content	<ul style="list-style-type: none"> – Introduction to IP Networking for Intrusion (online) – G Series Installation (online) – Introduction to RPS Programming (online) – Cellular for Intrusion Systems (online) 	<ul style="list-style-type: none"> – Intrusion and IP Camera Integration (online) – Introduction to Z-Wave Home Control (online) – G Series/B Series Expert Certification (classroom) – Certification Exam (online)
Target audience	Installers, System Programmers, Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Configure devices and program the control panel according to the needs of a customer – User Bosch’s Remote Programming Software (RPS) to program control panel parameters – Troubleshoot potential configuration issues 	
Prerequisites	G Series/B Series Professional Training (US/Canada)	
No. of participants	Participants based on location	Virtual: Maximum of 4
Duration	Online pre-work – 2.5 hours / Classroom – 2 days / Virtual - 2 days	
Location	Any Bosch training facility, virtually, or private trainings which are offered by request only	
Course fee	\$345 per person, \$1800 per day, \$1200 virtual private (both days)	
CEU Credits	This course may be accredited for CEU credits	

Intrusion	G Series/B Series Expert Certification (Canada)	
Content	<ul style="list-style-type: none"> – Intrusion IP Networking Basics (online) – G Series/B Series Installation (online) – RPS Programming (online) – Cellular for Intrusion Systems (Canada) (online) 	<ul style="list-style-type: none"> – Intrusion and IP Camera Integration (online) – G Series/B Series Expert Certification (classroom) – Certification Exam (online)
Target audience	Installers, System Programmers, Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Configure devices and program the control panel according to the needs of a customer – User Bosch’s Remote Programming Software (RPS) to program control panel parameters – Troubleshoot potential configuration issues 	
Prerequisites	G Series/B Series Professional Training (US/Canada)	
Duration	Online pre-work – 2.5 hours / Classroom training – 2 days / Virtual – 2 days	
Location	Virtually or private trainings by request	
Course fee	Classroom: \$345	Virtual: \$300

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Classroom training courses

Intrusion	G Series Master Certification (US)	
Content	<ul style="list-style-type: none"> – Advanced Programming (online) – Conettix Receiver Setup (online) 	<ul style="list-style-type: none"> – G Series Master Certification (classroom) – Practical Exam (classroom)
Target audience	System Programmers, Service Technicians	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Program control panels for multiple applications, including banking, retail and warehouses – Use Bosch’s Remote Programming Software (RPS) to program advanced functions – Integrate Bosch IP Cameras as inputs and outputs in the system 	
Prerequisites	G Series/B Series Expert Certification (US)	
No. of participants	Minimum of 3	Maximum: Participants based on location
Duration	Online pre-work – 3.5 hours / Classroom – 3 days	
Location	Bosch Training Facilities	
Course fee	Free in Bosch Training Center, private training fee may apply	

Video Solutions	Bosch Video Management System Expert with NetApp Certification	
Content	<ul style="list-style-type: none"> – Encoder/camera technical overview – VRM fundamentals – Device configurations and logical tree – MVS and Operator Client – Adding VRM and storage – NetApp installation and support 	<ul style="list-style-type: none"> – BVMS technical overview and licensing – Schedules and camera configurations, alarms and events, users and groups – VRM technical overview – E-Series overview – NetApp Santricity Simulator and Log Collection
Target audience	Support, Installation, and Design Staff utilizing Enterprise Video Storage (NetApp): School Districts, College or Corporate Campus, Government Complex, Technicians, Project Managers and IT Professionals	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe Bosch Video over IP (BVIP) equipment – Define basic encoder, alarm and system configurations and capabilities – Describe how to design, implement and install – Describe BVMS System Architecture and equipment – Install and configure BVMS from an administrative standpoint – Install and configure VRM within BVMS – Install and configure NetApp storage in a BVMS environment 	
Prerequisites	<ul style="list-style-type: none"> – Network Basics Online Course – Bosch IP Basics Online Course – Bosch VMS Operator Client Training Online Course 	
No. of participants	Minimum of 3	Maximum: depends on location
Duration	3 days	
Location	Offered by request only	
Course fee	\$495	

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Classroom training courses

Video Solutions	Bosch Video Management System Expert with Appliance Storage Certification	
Content	<ul style="list-style-type: none"> – Encoder and camera technical overview – VRM fundamentals – BVMS licensing – Schedules and camera configurations, alarms and events, users and groups – VRM technical overview 	<ul style="list-style-type: none"> – BVMS technical overview – DIVAR IP appliance overview – Device configurations and logical tree – MVS and Operator Client – Adding VRM and storage – RAID basics
Target audience	Technicians, Project Managers and IT Professionals utilizing DIVAR IP Storage	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Describe Bosch Video over IP (BVIP) Equipment – Define basic encoder configurations and capabilities – Describe how to design, implement and install – Describe BVMS system architecture and equipment – Define basic system configurations – Install and configure BVMS from an administrative standpoint – Perform basic alarm configurations – Install and configure VRM within BVMS – Install and configure DIVAR IP storage in a BVMS environment 	
Prerequisites	01 BVMS Professional Certification	
No. of participants	Participants based on location	Virtual: Maximum of 4
Duration	3 days	
Location	Any Bosch training facility, virtually, or private trainings which are offered by request only	
CEU Credits	This course may be accredited for CEU credits	
Course fee	\$595	

Video Solutions	Bosch Video Management System Master Certification	
Content	<ul style="list-style-type: none"> – Advanced VRM and system design – Panel and ONVIF device integration and configuration 	<ul style="list-style-type: none"> – Remote network connectivity and configuration – Wireless fundamentals – Advanced troubleshooting
Target audience	System Engineers, System Administrators, Installers, Project Managers, and System Architects	
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Explain the functionality of the BVMS additional components – Understand and configure advanced BVMS features and deployment options – Understand the purpose of the following topics in relation to BVMS: <ul style="list-style-type: none"> • Scripting (BVMS SDKs) • Automatic network replenishment (ANR) 	
Prerequisites	BVMS Expert Certification	
No. of participants	Participants based on location	
Duration	4 days	
Location	Any Bosch Training Facility	
Course fee	\$595/person	

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Classroom training courses

Video Solutions	Bosch Video Essentials Master Certification
Content	Classroom course, online courses for the single system configuration, all in one system configuration, video analytics configuration.
Target audience	Installers, system designers and distributors
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> – Understand the Bosch video and camera product lines
Prerequisites	<ul style="list-style-type: none"> – Bosch Video Systems Professional Certification (commercial) – Bosch Video Systems Expert Certification (system design)
No. of participants	Participants based on location Virtual: Maximum of 4
Duration	Classroom training – 3 days / Online post-work – 3 hours
Location	Any Bosch training facility, virtually, or private trainings which are offered by request only
Course fee	\$645

Video Solutions	DIVAR 1 Day Overview
Content	The DIVAR 1 Day Overview class is a guided instructional course focused on the setup and deployment of the DIVAR IP System.. This is an expert level class and does not provide a certification.
Target audience	Participants new with the Bosch Video Management System
Purpose	After attending the overview session, students will understand the: <ul style="list-style-type: none"> – Setup procedure – Basic installation tips for deployment – Remote Connectivity setups
Prerequisites	01 BVMS Professional Certification
No. of participants	Participants based on location
Duration	1 day
Location	Private requests only – Can be hosted at any public facility or company facility
Course fee	\$195

*The course outline, certificate and the number of hours required to complete the course may be submitted to your state licensure or affiliated accreditation organization to obtain CEU credits for this course.

Classroom training courses

Video Solutions	Cyber (Data) Security Technical Certification
Content	<ul style="list-style-type: none"> - State of Cyber Security and Cyber Warfare today - Incident Response Procedures and Law Enforcement - Digital Evidence and IP Video - Vulnerability analysis vs Pen Testing - Tools used and practical application - Nexpose and NMAP Labs - LINUX Based cameras vs Closed OS (BOSCH) - Wireshark and validation testing - Hashing and Encryption Lab - IP Camera Hardening Procedures - Storage Harding and Lock Down Procedures - Working with Certificates - Bosch Built In Firewalls - Working with Servers Standalone and Domain
Target audience	Technicians, Project Managers and IT Professionals
Purpose	After completing this course, you will be able to: <ul style="list-style-type: none"> - Analyze and secure IP video systems - Know the differences between vulnerability assessments and penetration testing - Leverage scan information in order to reduce attack surfaces of system devices - Data Security @ Bosch online module - Basic Cyber Fundamentals online module - Data Security Expert online module - How to use Certificates online module
Prerequisites	Intermediate networking knowledge
No. of participants	Participants based on location Virtual: Maximum of 4
Duration	Classroom - 2 days, Virtual - 3 days
Location	Any Bosch Training Facility
Course fee	\$445

A Tradition of Quality and Innovation

For over 125 years, the Bosch name stands for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security and Safety Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

Bosch Security and Safety Systems

130 Perinton Parkway
 Fairport, NY 14450 USA
 Phone: 800.289.0096
 Fax: 585.223.9180

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