SecurityCEU

Spring 2021

Course Catalog

Course Catalog

SecurityCEU.com Course Descriptions
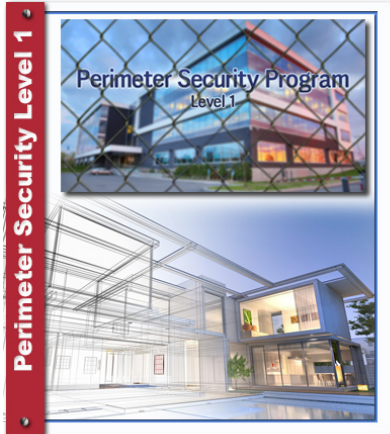
Included in Library Subscription!

1 Hour

Approved for state licensing CEUs in: UT

Perimeter Security Level 1

Perimeter security and detection requires knowing not only what devices to use, but also how best to manage their placement to maximize their effect while maintaining affordability. This course is the first in the perimeter detection series. It defines perimeter detection, identifies the key devices and walks through the basic strategy for deploying a system in both residential and commercial applications. This course includes the following topics:

- Physical barriers
- Intrusion detection systems protecting perimeter barriers
- Perimeter sensor technology
- Advantages and limitations of various perimeter sensor technologies
- Choosing the right combination of technologies for building type and end-user application (both residential and commercial)
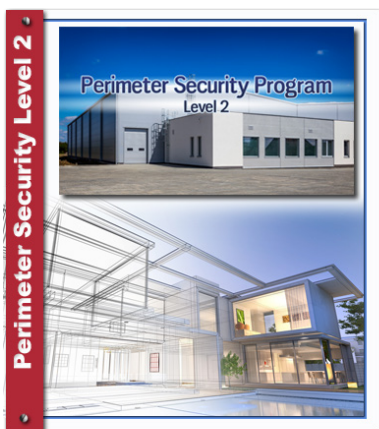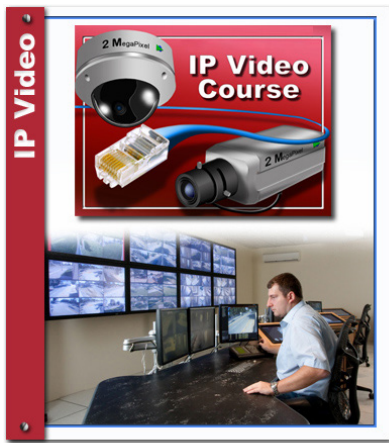

Included in Library Subscription!

1 Hour

Perimeter Security Level 2

Building on the Level 1 course, this Perimeter Security Level 2 course takes a more in-depth look at the technology and advancements in perimeter detection. This course addresses methods for increasing the effectiveness and reliability of perimeter alarms. In addition, it describes perimeter detection technologies that can be applied to outdoor areas and trends shaping the future of perimeter security.

In this course the learner will expand their knowledge of technologies and practices to:

- Reinforce building perimeter defenses
- Discover methods of avoiding false alarms and failure to detect and alarm
- Protect property outside the building perimeter
- Anticipate new technologies

Course Catalog

Spring 2021

Included in Library Subscription!

9 Hours
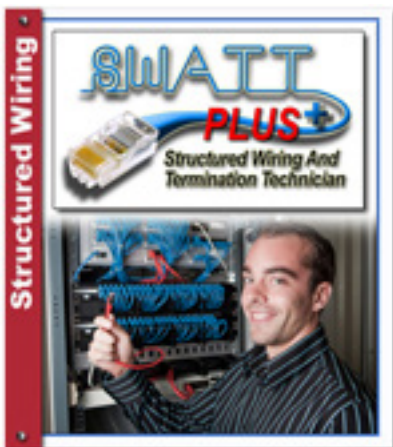**Approved for state licensing CEUs in: AL, LA, MS, NJ, and TN.**
NC - Courses 1, 3, 5, 7 & 9.
SD - Courses 1, 2, 7, 8 & 9.

IP Video

The IP Video certification is a comprehensive series of 9 modules that will teach you everything you need to know about today's advanced Video Surveillance Systems. Covering everything from basic system components and design, to equipment selection, installation, and integration with existing analog systems, IP Video will put you on the cutting edge of the field. This series is comprised of the following courses:

- Course 1: IP Video Overview
- Course 2: IP Video Basic Networking
- Course 3: Compression and Transmitting Video over the Network
- Course 4: IP Cameras
- Course 5: Lenses and Lighting
- Course 6: Digital Video Monitors and Storage
- Course 7: Software Applications
- Course 8: IP Video Integration
- Course 9: Legal Issues

Included in Library Subscription!

6 hours
Approved for state licensing CEUs in: AL, LA, MS, NJ, SD and TN.

Structured Wiring and Termination Technician (SWATT)

The SWATT Certification is a 5 module, 6 hour course and teaches you everything you need to know about planning, running and terminating structured wiring. The course covers network cabling and their various termination standards. The course also covers phone cabling and punchdown blocks, coaxial cabling as well as tools required to finish the job.

Included in this series:
- Module 1 - Architecture
- Module 2 - Components and Tools
- Module 3 - Installations
- Module 4 - Terminations
- Module 5 - Testing and Documentation

Course Catalog

SecurityCEU

Access Control Specialist Level I (ACS) Series

The Access Control Specialist Level One course is the industry's standard for understanding the basics of access control. The series is divided into six courses that cover everything from the basic overview and history of access control systems up to modern day biometric and smartcard applications.

Included in this series:
- Course 1: Access Control Overview
- Course 2: Credentials
- Course 3: Binary and Card Data Formats
- Course 4: Smartcards
- Course 5: Biometrics
- Course 6: IP Conversion
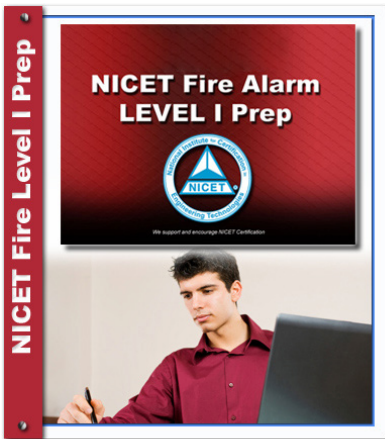
Included in Library Subscription!

6 Hours
Approved for state licensing CEUs in: AL, LA, MS, NJ, and TN.
NC - Courses 2, 4 & 6.
SD- Course 6.
UT - Course 1

NICET Fire Alarm Level I Preparatory Series

The NICET Fire Alarm Level I preparatory course will help you study and prepare for your NICET Fire Level I exam. This course is updated to align with NICET's revamped testing process and covers the material you can expect on the NICET Fire Level I exam. The course is also a great learning opportunity even for those technicians who don't wish to take the NICET exam, but will be working with fire alarm systems.

Included in this series:
- Course 1: Fire Alarm System Overview
- Course 2: Fire Alarm Codes and Standards
- Course 3: Interpreting the National Fire Alarm Code
- Course 4: Fire Alarm Installation Techniques
- Course 5: Fire Alarm System Devices
- Course 6: Fire Alarm Wiring Methods

Included in Library Subscription!

6 Hours
Approved for state licensing CEUs in: AL, LA, MS, NJ, and TN.
SD - Courses 1, 3, 4, 5 & 6.

Course Catalog

Spring 2021

Included in Library Subscription!

8 Hours
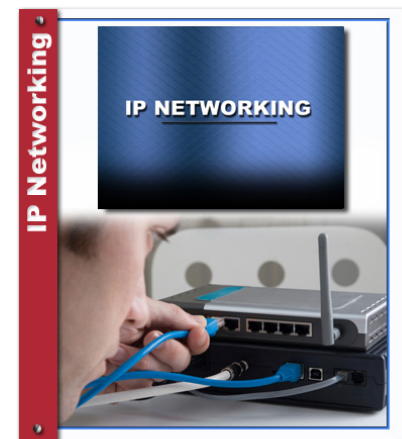**Approved for state licensing CEUs in: AL, LA, MS, NJ, and TN.**
SD - Courses 1, 2, 3, 4, 5 & 8.

NICET Fire Alarm Level II Preparatory Series

The NICET Fire Alarm Level II preparatory series is designed to prepare you to take NICET's Fire Alarm Level II exam. This 8 course series will cover the topics you can expect to encounter. The series is also a great learning opportunity even for those technicians who don't wish to take the NICET exam but want to advance their knowledge of fire alarm systems.

Included in this series:
- Course 1: Fire Alarm System Occupancy Classifications
- Course 2: Fire Alarm System Plans and Drawings
- Course 3: Fire Alarm System Site Conditions
- Course 4: Fire Alarm System Installations
- Course 5: Fire Alarm System Basic Electricity and Power Supplies
- Course 6: Fire Alarm System Commissioning and Testing
- Course 7: Fire Alarm System Startup and Programming
- Course 8: Fire Alarm System Troubleshooting

Included in Library Subscription!

5 Hours
Approved for state licensing CEUs in: AL, LA, MS, NJ, and TN.
NC - Courses 2 & 4.
SD - Courses 1 & 4.

IP Networking for Security Series

IP Networking can be complex and confusing. The use of acronyms and an ever-changing landscape certainly does not make it any easier to learn and understand. In this course, we start with the very basics and work our way toward the more complex aspects of IP Networks. The series focuses on elements that a security professional will likely encounter and is written from a security perspective. Even those with a good understanding of the technology will benefit from this series.

Included in this series:
- Course 1: Basic Networking
- Course 2: Common Network Protocols
- Course 3: Network Transmission Mediums
- Course 4: Networking Hardware
- Course 5: Network Administration and Security

Troubleshooting Series

The Troubleshooting Series is designed specifically to address the needs of the technician in the field. The courses begin with the basics of electricity and circuits and move on to general troubleshooting techniques and tools that every technician in the field should be familiar with, regardless of the type of system they install. The courses then progress to specific topics and speak directly to the nuances, tools and techniques particular to that topic.

Included in this series:
*   Course 1: Troubleshooting: Basic Electricity and Circuits
*   Course 2: Troubleshooting: Tools and Techniques
*   Course 3: Troubleshooting: IP Networks
*   Course 4: Troubleshooting Wireless Systems

Included in Library Subscription!

4 Hours
Approved for state licensing CEUs in: AL, LA, MS, NJ, SD and TN.
NC - Courses 2 & 4.

Codes and Standards Series

The Codes and Standards Series is designed to teach technicians in the low voltage industry about the various governing bodies that set standards for the services they provide. This series also covers the codes that must be followed when installing and maintaining these systems. The various codes can be difficult to find and interpret after locating them. These courses are designed to teach the student how the respective code books and publications are organized and how to reference and cross-reference. The goal is to teach the student HOW to effectively reference the codes and interpret them, not teach the individual codes and standards.

Included in this series:
*   Chapter 1: Codes and Standards Overview
*   Chapters 2&3: Wiring & Protection, Wiring Methods & Materials
*   Chapters 5&6: Special Occupancies, Special Equipment
*   Chapter 7: Special Conditions
*   Chapters 8&9: Communications Systems, Tables

Included in Library Subscription!

4 Hours
Approved for state licensing CEUs in: AL, LA, MS, NJ, SD and TN.

Course Catalog

SecurityCEU

Included in Library Subscription!

3 Hours
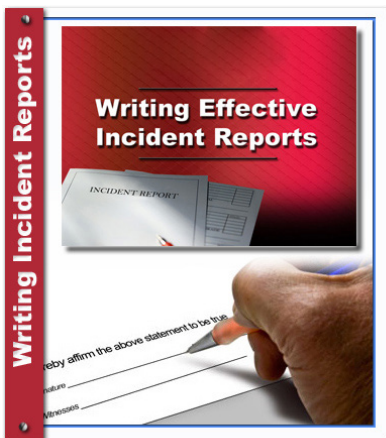**Approved for state licensing CEUs in: AL, LA, MS, NC, NJ and TN.**

Customer Service in the Security Industry

Everybody who deals with customers becomes the face of the organization to the end user. It is critical that all employees have the basic skills necessary to professionally communicate with customers regardless of the situation. This course goes through the basics of communicating with users, making customers feel positive about the interactions and dealing with difficult circumstances.

Included in this course:
- Module 1: Communications
- Module 2: Enhanced Customer Service Skills
- Module 3: Handling Difficult Customer Situations

Included in Library Subscription!

1 Hour
Approved for state licensing CEUs in: AL, LA, MS, NJ, and TN.

Writing Effective Incident Reports

This course provides a thorough overview on the key aspects of crafting an effective incident report. Given the unique legal implications of such reports, it is critical that security professionals understand the proper way to document witnesses, evidence and events for their organization as well as public safety and law enforcement officials.

This course will cover the following topics:
- Report Types
- Inference Versus Fact
- The Importance of Details
- Avoiding the Appearance of Bias
- Clear and Concise Writing
- Wording – Spoken and Written
- Sequencing Events
- Witnesses
- Creating Documentation to Withstand Legal Scrutiny

Course Catalog

Spring 2021

3 Hours
Approved for state licensing CEUs in: AL, LA, MS, NC, NJ and TN.
**SD - Module 3**

Wireless Technologies Series

The Wireless Technologies courses are an in-depth series that provides a detailed look at the advantages and challenges presented by the installation of wireless alarm systems. The components include instruction on wireless devices, a look at wireless standards, and troubleshooting techniques to use with wireless systems.

The Wireless Technologies series is composed of three high-quality courses:
- Course 1: Wireless Components and Physics
- Course 2: Wireless Standards
- Course 3: Troubleshooting Wireless Systems
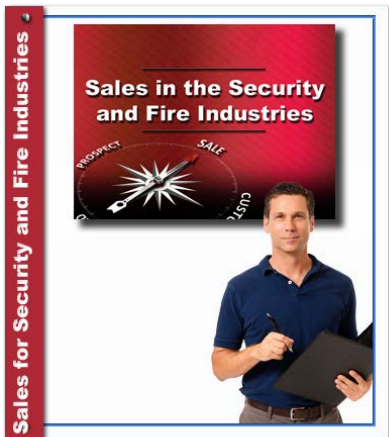
4 Hours
Approved for state licensing CEUs in: AL, LA, MS, NJ and TN. Approved in NC for 3 CEUs.

Sales in the Security Industry

This course was developed specifically for sales professionals in the security industry. The concept of the sales cycle is simple to understand, but the nuances of making it work effectively on a consistent basis can be elusive. We discuss tried and true methods along with best practices to make your sales efforts more productive. Even seasoned sales professionals will come away with strategies to improve their results. The (4) one-hour modules include:
Prepare, Present, Propose and Process.

This course will cover the following topics:
- Sales vs. Marketing
- New Product Introductions
- Opening a Discussion
- Understanding the Customer's Needs
- Handling Objections
- Competitive Presentations
- Strategic Selling
- Selling a Relationship
- Closing the Sale
- Maintaining the Relationship
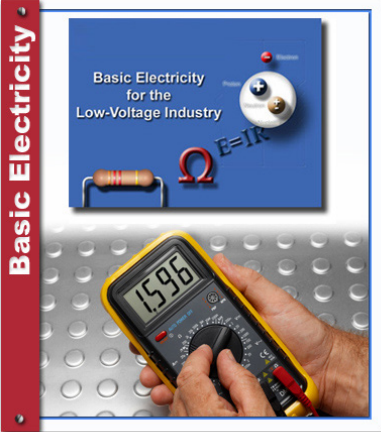
Course Catalog

SecurityCEU

Basic Electricity

Included in Library Subscription!

1 Hour
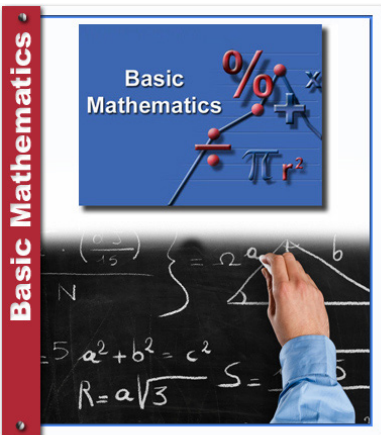**Approved for state licensing CEUs in: AL, LA, MS, NJ, SD and TN.**

Basic Electricity for the Low-voltage Industry

The Basic Electricity course is designed to prepare you for all of the basic electrical skills needed in the low-voltage industry. It is important for you to be familiar with the essentials of electricity and its uses. This course provides an extensive review of electrical theory and circuit types, as well as related formulas, calculations and conversions.

This course will cover the following topics:
- Ionization / Polarity
- Atoms
- Electrons
- Frequency
- Voltage
- Current
- Resistance
- Circuits

Basic Mathematics

Included in Library Subscription!

1 Hour
Approved for state licensing CEUs in: AL, LA, MS, NJ and TN.

Basic Mathematics

The Basic Mathematics course is designed to prepare you for the basic math skills needed in the security industry. It is important that you be able to convert decimal feet and inches to fractional feet and inches and vice versa. Other vital skills this course covers are calculating length, area, volume and temperature. It also discusses the equations used in scientific and engineering notation, as well as how to calculate gain and loss using decimals.

This course will cover the following topics:
- Calculating Percentages
- Converting Fractions and Decimals
- Calculating Areas
- Calculating Volumes
- Scientific and Engineering Notation
- Decibels
- Interpreting Graphs
- Geometric Equations

Course Catalog

Spring 2021

Basic Physical Science

The Basic Physical Science course will cover four branches of physical science: Chemistry, Electricity, Heat and Mechanics and how they apply to the security industry.

This course will cover the following topics:
- Matter
- Volume
- Density
- Thermal Energy
- Conduction/Convection
- Electricity
- Current and Voltage
- Magnetism and Polarity
- Mechanical Energy / Kinetics
- Fluid Mechanics
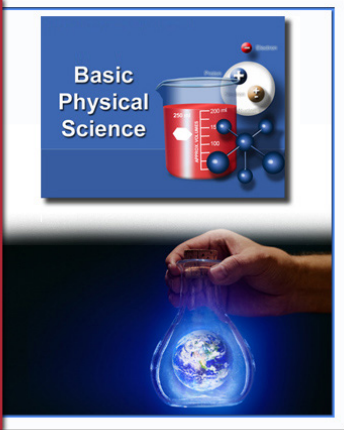
Included in Library Subscription!

1 Hour
Approved for state licensing CEUs in: AL, LA, MS and TN.

Basic First Aid

The Basic First Aid course is designed to prepare you for the inevitable emergency situations that arise during your career. It is important that you be prepared to administer first aid when the need presents itself. This course includes the Heimlich maneuver, stroke, hyperthermia, moving injured victims, and a variety of stabilization techniques.

This course will cover the following topics:
- Emergency Guidelines
- Scene Safety
- Victim Assessment
- Spinal Injuries
- Shock
- Burns
- Hypothermia
- Excessive Bleeding
- Stroke
- Heimlich Maneuver
- CPR

Included in Library Subscription!

1 Hour
Approved for state licensing CEUs in: AL, LA, MS, NC, NJ, SD and TN.

Course Catalog

Spring 2021

Included in Library Subscription!

1 Hour
Approved for state licensing CEUs in: AL, LA, MS, NC, NJ, SD and TN.

Basic Individual Safety

The Basic Individual Safety course is designed to prepare you for basic individual safety skills that should be practiced on a daily basis when working on the job site. You should be able to identify and mitigate hazardous work conditions in an on-site environment. Additionally, it is vital to wear protective clothing to create a safe working environment as established by OSHA requirements.

This course will cover the following topics:
- OSHA
- Hazardous Conditions
- Injuries
- Fire Stages
- Ladders and Scaffolding
- Confined Spaces
- Hazardous Materials
- Protective Clothing

2 Hours

Certified School Security Professional

The Certified School Security Professional (CSSP) is a comprehensive training program to help school security practitioners and parents answer the question "How do we protect our children when they are at school and away from our home?"

CSSP Level I - Introducing the Issues:
CSSP Level I provides training on the awareness of K-12 school security problems and the associated legislative landscape. Learners will be made aware of the broad range of challenges schools need to consider when creating comprehensive security plans.

CSSP level I is anticipated to meet the needs of individuals interested in familiarizing themselves with school security and safety issues. It also serves as an introduction to these issues for school level officials, security practitioners, and school security committees.

Course Catalog

Spring 2021

SecurityCEU

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PAGE **12**

Training FOR Security, BY Security

2 Hours

As chief consultant for InterNetwork Service, an Information, Communications and Security services company, Tom is responsible for daily support of the IT security infrastructure for many Philadelphia based firms. Tom regularly maintains back office support for many of today's cutting edge technology issues along with security evaluations, vulnerability assessments and penetration tests. Tom is also an IT security trainer for a number of training organizations and has delivered security training around the globe including USA, EU, China and India. He has presented seminars at both Riverbed's Sharkfest and EC-Councils Hacker Halted conferences and regularly delivers webinars on security related subjects.

Introduction to Cyber Security

This course is developed in partnership with Tom Upgrove of Internetwork Service. Tom is a Principle at InterNetwork Service and Co-Founder at CIASecure. Tom holds numerous industry certifications and is well known for his work in data protection, risk management and threat assessments.

The world of interconnected computing devices surrounds us today and will continue to influence almost everything in our lives. Initially TCP/IP wasn't designed with security in mind and only after vulnerabilities were discovered did the field of computer security develop. The term cyber could be used for many things but today it is accepted as any information in a digital data form. Hence Cyber Security is about protecting that digital data from the many dangers that can destroy it.

This course will cover the following topics:
- Elements of Cyber Security
- Risks Involved
- Threats to Computer Systems
- Defensive Strategies
- System Access, Authorization & Accounting
- Protocols and How they Work
- Encryption
- Protocols and the Tools to Measure Them
- Best Practices in Cyber Security
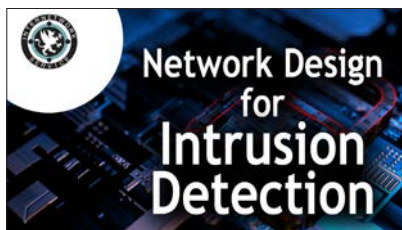
2 Hours

Network Design for Intrusion Protection

Identifying unauthorized use, misuse and attacks on information systems is defined as intrusion detection. An intrusion detection system (IDS) is a device or software application that monitors a network or systems for malicious activity or policy violations. In this course we will first learn about the Internet and Intranets as well as understanding public and private Security Zones, Firewalls and types of Firewalls. From there we will define networks and types of networks including the Flat Network, Public Internet, VLANs, SD-WAN and MPLS, and Leased Lines.

It is important to understand that any malicious activity or violation is typically reported either to an administrator or collected centrally using a security information and event management (SIEM) system. A SIEM system combines outputs from multiple sources, and uses alarm filtering techniques to distinguish malicious activity from false alarms. In this course we will start to understand the dangers including the Bad Guys, Botnets and Crime Gangs, Nation State, Hacktivist, and Script Kiddies. Next we will define defense in depth including the layered approach and learn about what can happen and how to prevent it using a Prophylactic approach.

Course Catalog

Spring 2021

2 Hours

Introduction to Cloud Security

Cloud computing is both as similar to traditional computing as it is different. If you have ever had a Hotmail, Yahoo, Gmail or any other Web based email address then you have been cloud computing. Before the adoption of cloud computing network engineers would draw pictures of clouds in their network diagrams to represent the unknown connections between their company and the company they were connecting to. In this course we will gain a better understanding of Cloud Computing specifically by defining NIST as a service model and a deployment model. We will explore the service model options including IaaS, PaaS & SaaS then look at the deployment model categories including Private, Public, community & Hybrid.

Then we will go on to define security in the Cloud, specifically the risk in cloud computing. Then we will discuss the three categories of security including Logical security , Physical security, and Premises security. Next, we will learn about the factors affecting Cloud Security and how multi-tenancy, virtual networks & hypervisors add to the complexity. Then we discuss Hypervisor Security, specifically the vulnerabilities attributed to management console, management server, administrative VM, VM, Hypervisor, and Hypervisor escape. Finally, we learn how to protect data in the Cloud using physical and encryption methods as well as how to deal with incident response in the Cloud. All of this can be facilitated by sharing the knowledge about information security standards and guidelines, including ISO 27001, HIPAA, Sarbanes Oxley, PCI, FISA, ENISA, IEEE, ANSI, and NSA.

Course Catalog

SecurityCEU

1 Hour
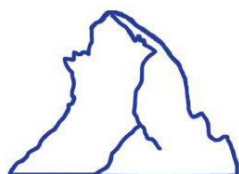
Matterhorn Consulting LLC

SecurityCEU.com is proud to have established a partnership with Matterhorn Consulting to offer courses developed by Paul Boucherle in an online format to our customers.

Business Communication Skill Building

Would you like to stand out from the competition and within your company using good communication skills? Communication in one form or another comprises the majority of the 24 hours in our day. Communication can be verbal, written, and portrayed by body language.

•   Good communication will help you get recognized by your boss and your peers.
•   Good communication improves productivity and teamwork.
•   Good communication includes the who, what, where, when and why in the message.
•   Good communication is the result of active listening.

This course will give you insights and help build your communication and listening skills. The security industry is in the business of saving lives.
How you communicate will have an impact on your clients. Develop good communication skills to command your career direction.

Course Catalog

Spring 2021

1 Hour

Effective Communication Skills for Technicians and Installers

Technicians and Installers are the face of an organization to your most valuable asset, customers! How they communicate with a customer both verbally and non-verbally can have a tremendous impact on the customer relationship. It can also help or hinder referrals. techs may or may not be effectively interacting with their organization's sales team, project managers, and management.

The content in this course will help build technician communication skills and why they are important to their career and your company. Real world examples of what a technician/installer experiences in the field and inside the company will help them recognize and improve their communication skills. The result is more productivity, more effective operations, happier customers and giving the technician more confidence.

1 Hour

The 6 C's of Communication for Effective Delegation

When done properly, delegation allows you to focus on the critical and high value parts of your work. When done poorly, you will double your work load! The two biggest paybacks for good delegation through communication are less stress every day and higher productivity. Less stress means more satisfaction with your work day and more fun in your personal life. We all want to make a difference. Good communication enables that to happen. The 6C method gets everyone on the same page and keeps them together. It sets clear expectations, commitment and establishes mutual respect. This program will help build your confidence by providing an effective method that will enable you to communicate and delegate more effectively every time.

Delegating is probably the most challenging task a manager or supervisor has. Your business style may "blind" you when you communicate. Just because you said it does not mean they "got it." Our program will take delegating to a higher level of effectiveness. The 6C's include: Capable (can person to whom you are delegating do what you are asking); Communication (is your communication clear and concise); Commitment (do you have buy-in; are you both on the same page); Consequences (set up checkpoints throughout the task; set up time frames and accountability); Coaching (developing your team) and Consistency (make this part of your business skill set).

Course Catalog

Spring 2021

3 Hours

Field Management of Security Projects

Nadim Sawaya, Owner and Principle at EPC, is known throughout the security industry as the go-to guy for all things project management. SecurityCEU.com has partnered with EPC to provide our students access to his world renowned project management courses in a convenient and flexible online format.

In any project, there are four (4) phases. This includes the design phase, the planning phase, the implementation phase or execution, and the demobilizing phase. This course focuses on the implementation phase of the security project for technicians.

This course will cover the following topics:
- Understanding the "project plan"
- Planning the field work
- Controlling the field schedule and recourses
- Coordinating with other trades and subcontractors
- The documentation of field conditions and changes
- Demobilizing and closing

2 Hours

Estimating of Security Projects

Created in partnership with Nadim Sawaya of EPC. Poor estimating is one of the major factors in projects failure. This course will help you improve your estimating skills by better predicting the actual cost needed to complete your systems projects.
This course will cover the following topics:
- Estimating and Sales Proposal Skills
- Your "Edge" in Bidding Jobs
- Prepare Accurate Estimates for Systems Projects
- Better Use Your Time and Priorities
- Write Effective Sales Proposals