



a **resideo** company

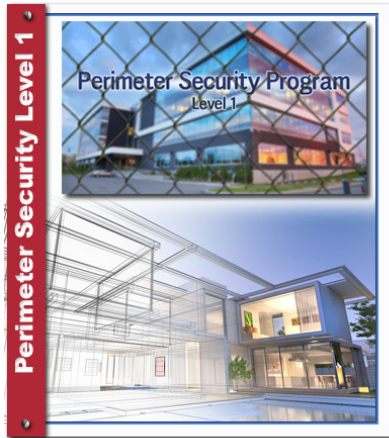
Course Catalog

Winter 2022



adiglobalacademy.com

ADI Global Academy Course Descriptions



Included in Library Subscription!

1 Hour

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!

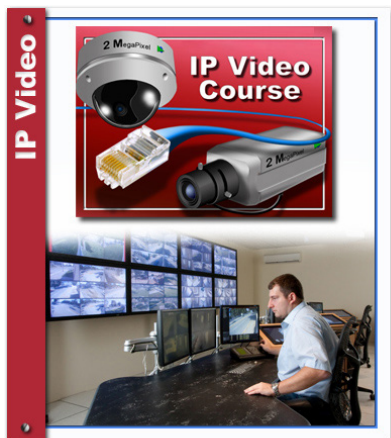
1 Hour

Introduction to Fiber Optics

This course provides complete, general knowledge of the uses and advantages of fiber optics for communications, along with installation details and current fiber optic installation standards. It combines lecture sections with animation along with hands-on videos showing the proper methods to handle, prepare, and terminate fiber optic connectors and mechanical and fusion splices.

This course is quite valuable to management and salespeople who are starting to receive requests for fiber optic work or installations. The types of cable, where they can be legally used, and the planning of a fiber installation is discussed and demonstrated.

This course also provides basic technician requirements, tools, safety & equipment, and the materials necessary for producing proper fiber optic techniques.



Included in Library Subscription!

9 Hours

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

NC - Courses 1, 3, 5, 8 & 10.

SD - Courses 1, 2, 8, 9 & 10.

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: Advanced Analytics
- Course 8: Video Management Systems
- Course 9: IP Video Integration
- Course 10: 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



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.

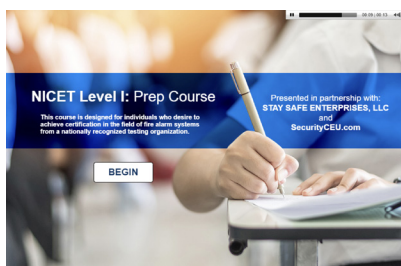
UT - Course 1

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!

5 Hours

NICET Level 1 Prep Course - Fire Alarm

This course is designed for individuals who wish to achieve certification in the field of fire alarm systems from NICET.

After completing this course, you will be able to:

- Explain what NICET Certification is and how it will benefit you
- Complete the NICET application process for certification
- Take the appropriate texts to the exam
- Prepare for the exam by understanding the topics covered within it including Installation, Maintenance, and Submittal Preparations and System Layout.



Included in Library Subscription!

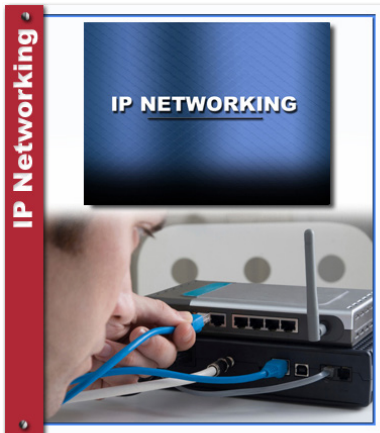
6 Hours

NICET Level 2 Prep Course - Fire Alarm

The NICET Fire Alarm Level 2 preparatory course is designed to prepare you to take NICET's Fire Alarm Level II exam. This course will cover the topics you can expect to encounter. The course is also a great learning opportunity even for those technicians who don't wish to take the NICET exam.

This course is comprised of the following sections:

- 2.1 Installation
- 2.2 Commissioning and Testing
- 2.3 Troubleshooting
- 2.4 Site Conditions
- 2.5 Basic Electricity and Power Supplies
- 2.6 Startup and Programming



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



Included in Library Subscription!

4 Hours

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

NC - Courses 2 & 4.

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!

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!

3 Hours

**Approved for state licensing
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TN.**

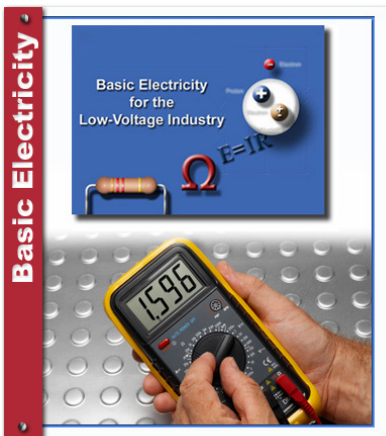
SD - Module 3

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



Included in Library Subscription!

1 Hour

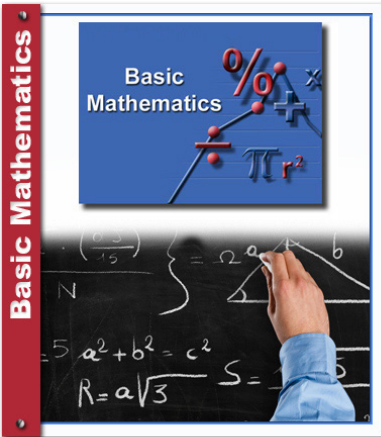
**Approved for state licensing
CEUs in: AL, LA, MS, NJ, SD and
TN.**

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



Included in Library Subscription!

1 Hour

Approved for state licensing

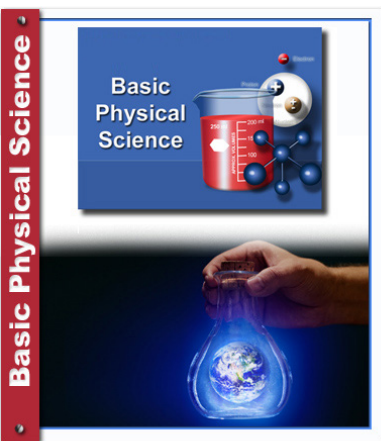
CEUs in: AL, LA, MS, NJ and TN.

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



Included in Library Subscription!

1 Hour

Approved for state licensing

CEUs in: AL, LA, MS and TN.

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, NC, NJ, SD
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.**

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



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.

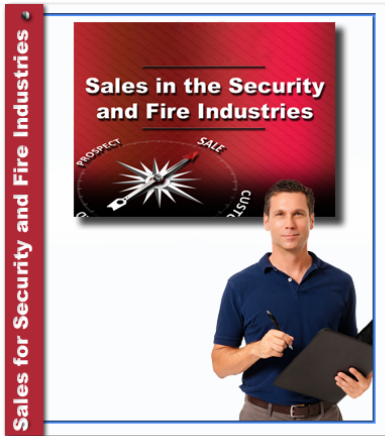
Introduction to Cyber Security

This course is developed in partnership with Tom Uppgrove 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



Included in Library Subscription!

4 Hours

Approved for state licensing

CEUs in: AL, LA, MS, NJ and TN.

Approved in NC for 3 CEUs.

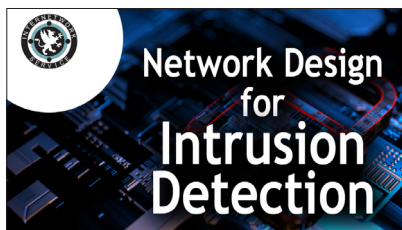
Sales in the Security Industry

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



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.



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.