

# Southwest Security Expo and Educational Seminar: Class Descriptions

Class Times: Full Day (8am to 5pm) | Half Day Morning (8am to 12pm) | Half Day Afternoon (1pm to 5pm)

## Tuesday, October 2, 2018 | Class Descriptions Pages 2 - 4

### Full Day

- Day 1: Fundamentals of Locksmithing
- Access Control for Locksmiths
- Modern Automotive Key Generation
- Safe Lock Servicing Troubleshooting

### Morning Half Day

- Codes 101
- Retrofit Electrified Hardware Solutions

### Afternoon Half Day

- Exit Devices & Door Closures: Things you SHOULD Know
- Power Operators for Locksmiths and Integrators

## Wednesday, October 3, 2018 | Class Descriptions Pages 5 - 7

### Full Day

- Day 2: Fundamentals of Locksmithing
- Automotive Transponders A-Z
- Kaba x10
- Master Keying

### Morning Half Day

- Cylindrical & Morstise Locks: Thing you MUST Know
- Intelligent Keys

### Afternoon Half Day

- Aperio Wireless Solutions
- Hardware 101

## Thursday, October 4, 2018 | Class Descriptions Pages 8 - 11

### Full Day

- Principles of Safe Manipulation

### Morning Half Day

- Automatic Door Operators
- Basic Electric for Installers
- Employee Engagement & Coaching
- Trilogy Lock Installation & Repair
- Tyco - TBD

### Afternoon Half Day

- Advanced Wiring & Troubleshooting
- Basic Electronic & Electrified Hardware
- Evolution of Cellular Technology & IoT Integration
- Leadership Skills to thrive with Millennials
- Network Connectivity and DL Windows Software

## Friday, October 5, 2018 | Class Descriptions Pages 12 - 15

### Full Day

- Hi-Security Automotive
- Strength Determination Inventory

### Morning Half Day

- Anixter – Best Practices for Physical Security
- Electronics & CDVI Solution
- Low-Energy Auto Door Openers & Access Control
- Level 3 Circuits, Diagrams and Projects

### Afternoon Half Day

- Atrium Access Control
- Automotive Product Line
- Electronic Access & Control at the Door
- Electronic Strikes-Application/Install

Note: Class no shows and cancellations after Monday September 24, 2018 will be charged the full class fee.

**Tuesday, October 2, 2018 | Full Day Class Options**  
**Class Time: 8:00 a.m. to 5:00 p.m.**

### **ALOA – Day 1 & Day 2: Fundamentals of Locksmithing (Tuesday & Wednesday)**

**Instructor: Harry Sher**

**Class Fee: \$250 (\$125 per day)**

During this two day course, students will be introduced to the basics of the trade and learn the proper use of basic Locksmithing tools along with proper terminology. An overview of pin and disc tumbler locks, key blank identification, key duplicating, key making, lockset functions, hardware finishes, keys by code, and rekeying will be presented.

At the conclusion of this training program, students will be able to:

- Demonstrate the use of the tools and equipment used in the trade
- Understand the principles of lock construction
- Have the knowledge required to identify key blanks
- Disassemble, rekey and reassemble a variety of locksets
- Hand file a key
- Understand and practice the techniques used in picking
- Learn basic lock bypass techniques
- Duplicate and cut keys by code
- Understand the need for Life Safety Codes and how they apply to Locksmithing
- Understand the fundamental principles of master keying.

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### **ALOA – Access Control for Locksmiths**

**Instructor: Greg Perry**

**Class Fee: \$125**

This class is designed to give an overview of electronic access control. The class will emphasize tools, equipment, and circuits. We will assemble basic circuits and look at troubleshooting. By the end of this class students should have a working knowledge of beginning electronic access control installation and troubleshooting.

**Note:** Students are encouraged to bring their own digital volt ohm meter, multi-tip screw driver, pocket screwdriver, needle nose pliers, and wire strippers.

**Prerequisite:** Basic electricity class or an understanding of Ohm's law, Watt's law, and basic electrical circuits.

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### **ALOA – Modern Automotive Key Generation**

**Instructor: Ed Woods**

**Class Fee: \$125**

This class is for the student who is in need of knowledge on making the keys that they will be programming with transponder equipment. Yes the code services are great when they are available but knowing how to make the keys almost as fast as they can reply is the best and knowledge is power.

The instructor generates from scratch 99.5% of all the keys he makes so he will be sharing his knowledge of tool and tips on how to make these keys all the time. In the afternoon session locks and tools will be provided to practice the methods taught. In addition there will be a discussion on repairing the most common auto lock failures.

**Note:** Class no shows and cancellations after Monday September 24, 2018 will be charged the full class fee.

## **Seth Blumberg - Safe Lock Servicing Troubleshooting**

**Instructor: Seth Blumberg**

**Class Fee: \$125**

Stop turning down safe service calls and begin earning money immediately by doing safe work. Add the very profitable specialty of professional safe servicing to your full-service locksmith's offerings by building your confidence and ability. You will learn to recognize your limitations so you can make informed decisions regarding what safe work you can do and what work you should refer to a more experienced safe technician.

Most safe lockout service calls can be solved by using logical dialing techniques without the need to penetrate the container. The class will cover terminology, identification, combination changing, dialing diagnostics, and opening procedures such as manipulation, drilling, change keyhole scoping, etc. Students will learn what technical information and tools are available so that you can make an informed decision about what tools to add and in what order.

Learn about professional organizations for safe technicians and the networking possibilities that they provide. You will learn how to obtain GSA container work and how to access the DOD hotline, provided free to locksmiths by the DOD.

Approved for 1 point towards the ALOA PRP recertification requirements

**Tuesday, October 2, 2018 | Half Day Class Options**

**Morning Class Options: 8:00 a.m. to 12:00 p.m.**

## **Best Access – Codes 101**

**Instructor: Bob Karrer**

**Class Fee: \$50**

In this class students will come to understand the Code requirements as stated in NFPA 80, NFPA 101 (Fire & Life Safety) as well as hardware applications required to meet ADA (ANSI 117).

Students will learn the intent of these Codes that are used to establish our International Building Code and standards that affect door hardware. They will recognize what opening components and/or corrections are required to have hardware comply with these codes.

We will cover codes as they relate to the "Use and Operation" of these opening within facilities. This program will help both the novice and veteran to identify, and correct (with code-approved products) the most recurring violations of these codes in the field.

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## **Command Access – Retrofit Electrified Hardware Solutions**

**Instructor: Mateo Kristoff and Mark Ferraro**

**Class Fee: \$50**

Prepare yourself for a hands-on class focused on the installation of electrified hardware: e-locks (cylindrical and mortise), exit trim, latch retraction exit devices and kits; connection to switches, power supplies and transfer devices.

Each attendee will be asked to install the products to create a working opening. A review of electrical currents and systems will be discussed. Tools and related instructions are provided.

**Note: Class no shows and cancellations after Monday September 24, 2018 will be charged the full class fee.**

**Tuesday, October 2, 2018 | Half Day Class Options**  
**Afternoon Class Options: 1:00 p.m. to 5:00 p.m.**

**Best Access – Exit Devices and Door Closures: Things you should know**

**Instructor: Bob Karrer**

**Class Fee: \$50**

This class is intended to familiarize the attendee with installing and maintaining Exit Devices and Door Closers. The training session will include review of codes relating to requirements and use, proper selection of hardware, hands-on experiences for applications, and options for adding features in the field.

Subjects to be covered include:

- Overview of Exit Device & Door Closer Product Types & Applications
- Exit Devices and Door Closers Installation & Adjustment
- Troubleshooting Exit Device and Door Closer installations

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**Assa Abloy – Power Operators for Locksmiths and Integrators**

**Instructor: Dominic Rizzo**

**Class Fee: \$50**

Join us as we dive into the world of Power Operators and review features, benefits and product applications!

This is a great course for anyone who is currently or interested in selling, servicing or installing power operators. We will review nomenclature, general function of electromechanical and electrohydraulic operators as well as activation types, presence sensors and other peripherals.

**Wednesday, October 3, 2018 | Full Day Class Options**  
**Class Time: 8:00 a.m. to 5:00 p.m.**

### **Seth Blumberg – Automotive Transponders A-Z**

**Instructor: Ed Woods**

**Class Fee: \$125**

This class will cover On Board Programming, Cloning, Multi Vehicle Programmers, as well as some dedicated programmers for automotive transponders and remotes. The instructor will also present an overview and discuss the latest tools and equipment for the foreign and domestic electronic automotive security market. Tools, blanks, and techniques are changing at an astounding rate, so the instructor will provide the students with the latest information available.

Due to the vast amount of information presented in this class that changes constantly, there will not be any hands on programming of vehicles for this class.

**Prerequisite:** Basic automotive Locksmithing knowledge including making mechanical automotive first keys.

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### **ALOA – Kaba x10**

**Instructor: Seth Blumberg**

**Class Fee: \$250**

This certification course provides in-depth training for installation, operation and programming of the X-10 lock and presents the differences between it and the X-09.

Students will be taught to install the X-10, set up the lock in various modes of operation, change combinations, recognize and clear error conditions in the lock, auditing procedures, and basic troubleshooting.

During the programming section, students will operate the lock in single, dual, and supervisor/subordinate modes. All tools are provided and students receive a training workbook and product manuals.

A multiple-choice exam is given at the end of each course. Students must score 76% or higher to receive certification of training from Kaba Mas.

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### **ALOA – Master Keying**

**Instructor: Ralph Forrest-Ball**

**Class Fee: \$125**

This class covers key symbols, key system planning, preparing keying schematics and schedules, combinatorial analysis, and progression. After establishing a foundation in key symbols and the key system planning process, students learn to progress two-level system from a key biting array.

Students select top master keys, manage MACS loss, and prepare master key records in both list and matrix format. Day one also covers security issues in master keying including key systems decoding and keeping keys from operating where they shouldn't.

**Prerequisite:** Students must have attended a Fundamentals of Locksmithing class or have 2+ years of practical locksmith experience before taking this class.

**Note:** Class no shows and cancellations after Monday September 24, 2018 will be charged the full class fee.

**Wednesday, October 3, 2018 | Half Day Class Options**  
**Morning Class Options: 8:00 a.m. to 12:00 p.m.**

### **Best Access – Cylindrical & Mortise Locks: Things you MUST know**

**Instructor: Bob Karrer**

**Class Fee: \$50**

This class is intended to familiarize the attendee with installing and maintaining Cylindrical Locks & Mortise Locks. The training session will include review of Grade 1 requirements relating to manufacturing and use, proper selection of hardware, hands-on experiences for applications and options for adding features in the field.

Subjects to be covered include:

- Overview of Cylindrical & Mortise Product Types & Options
- Lockset Functions & Applications
- Mortise Locks Installation/Assembly
- Cylindrical Locks Installation/Assembly
- Troubleshooting Cylindrical & Mortise Locks open (optional extension positions)

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### **Assa Abloy – Intelligent Keys**

**Instructor: Guy Robinson**

**Class Fee: \$50**

All facilities need patented key control to effectively secure exterior and interior openings. This strength of integrity allows security managers to have peace of mind when it comes to managing the system. Unfortunately, instituting a new key system is not always easy....or economical.

Join us to earn the features, benefits and capabilities of Intelligent Key Systems along with system requirements, ordering, and setup needs. Discover the advantages Intelligent keys have over mechanical systems, as well as traditional electronic access control, and where they fit in the marketplace.

**Wednesday, October 3, 2018 | Half Day Class Options**  
**Afternoon Class Options: 1:00 p.m. to 5:00 p.m.**

### **Assa Abloy – Aperio Wireless Solutions**

**Instructor: Greg Yusi**

**Class Fee: \$50**

Learn how you can help your customers expand their access control footprint to more doors and more applications – quickly, easily, and affordably. Available across a broad range of locking hardware from ASSA ABLOY Group brands, Aperio is a global wireless platform that provides the flexibility to address a variety of applications throughout any facility.

This course will teach you about the many benefits of Aperio wireless technology as well as the broad range of Aperio wireless devices and the applications they serve.

**Allegion – Hardware 101**

**Instructor: Marc Schwartz**

**Class Fee: \$50**

This course is an introduction to the world of architectural doors and hardware products for those who are new to the industry or who have limited exposure to the broad range of products used in this industry.

Students will learn about door and frame construction and materials, as well as handing, hanging, closing, securing, and protecting the door. We will cover accessories, locking hardware, cylinders and keying, panic hardware and fire exit hardware.

**Thursday, October 4, 2018 | Full Day Class Options**  
**Class Time: 8:00 a.m. to 5:00 p.m.**

### **Assa Abloy – Principles of Safe Manipulation**

**Instructor: Seth Blumberg**

**Class Fee: \$125**

Manipulation is the art of opening combination locks without prior knowledge or information about the present combination. It does not require the use of force or tools, does not cause damage to any part or component, and leaves no evidence of entry. Each student will learn when to manipulate and will understand how picking, reading, and impressioning are related to safe manipulation.

The class will also cover proper combination lock terminology. The student will become competent in dialing diagnostics and visualization of the internal workings of a combination lock. Students will understand the principles of manipulation, become familiar with manipulation aids, and gain confidence in manipulation.

Approved for 1 point towards the ALOA PRP recertification requirements.

**Thursday, October 4, 2018 | Half Day Class Options**  
**Morning Class Options: 8:00 a.m. to 12:00 p.m.**

### **Allegion – Automatic Door Operators**

**Instructor: Scott Biltonen**

**Class Fee: \$50**

This informative course will cover:

- When and where to specify
- Understanding requirements of the application
- What products to use that will give the best value and provide a correct and complete installation
- What will be needed for the designated installation location; recognition of possible installation problems and what will be needed to overcome these problems
- Programming and operation of the operator
- The installation and usage of all other support equipment that may be required such as electrified panic hardware, wireless push button, etc.

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### **Assa Abloy – Basic Electric for Installers**

**Instructor: Rodger Schmidt**

**Class Fee: \$50**

The class hands-on training with circuits, switched and locks will cover the below topics:

- Voltage, Amperage and Resistance
- Alternate vs Direct Current
- Direct Current Circuit – Development
- Different types of Switches, Circuits and Electronic Locks – testing devices
- Multi-meter for troubleshooting
- Wiring & Testing – Closed and Open Circuits
- Hands-on testing with Multi-meter – voltage, amperage and resistance

**Credits: 4 CEU**

**Note: Class no shows and cancellations after Monday September 24, 2018 will be charged the full class fee.**



## **VIVERE– Employee Engagement & Coaching**

**Instructor: Chip Vazquez**

**Class Fee: \$50**

Explore ways to establish cultural competitive advantages leaders can provide employee to promote action enrollment in the workplace.

Provide guided dialogue for leaders to coach employee in solving their own problems. This coaching can encourage individuals to work at the highest potential and proactively solve their own problems.

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## **Alarm Lock - Trilogy Lock Installation, Repair and Manual Keypad Programming**

**Instructor: Andy Phelps**

**Class Fee: \$50**

This class is designed for the beginner or experienced technician and will cover the proper installation technique along with some tips/tricks for an easier installation. Also covered will be how to repair the Alarm Lock Trilogy mortise and cylindrical locks.

We will discuss what parts are replaceable and how to correctly remove and replace those parts. The instructor will also share some tips on how to make the repair process easier.

Students will also learn basic keypad programming commands associated with the T2 and T3 Trilogy locks as well as some of the more complex commands of the T3 locks.

**Thursday, October 4, 2018 | Half Day Class Options**

**Afternoon Class Options: 1:00 p.m. to 5:00 p.m.**

## **Assa Abloy - Advanced Wiring & Troubleshooting**

**Instructor: Rodger Schmidt**

**Class Fee: \$50**

This four hour course will cover the following topics:

- Understanding the SMART Switches and Relays
- How to test Relays and Smart switches
- Development and testing of Circuits with SMART Switches
- Continued Use of Multi-meter for troubleshooting
- Power Supply – Power-up and Testing
- Reading a Point to Point Drawing – Identifying components
- Team Project at the end of the day

**Credits: 4 CEU**

## **Allegion - Basic Electronic & Electrified Hardware**

**Instructor: Scott Biltonen**

**Class Fee: \$50**

Do the terms amps, volts, and ohms sound foreign to you? Are you responsible for maintaining and troubleshooting electrified locking hardware, such as electric strikes and Von Duprin EL exit devices? If so, this course is for you!

This class will de-mystify basic electrical concepts related to electrified door hardware and provide you with a systematic approach to perform basic troubleshooting steps and enable you to make simple repairs.

### **Topics will include:**

- Fundamentals of electricity
- The relationship of volts, amps and ohms to the operation of electrified locking hardware
- Power supply considerations
- Types and operation of common switches
- Wire gauge requirements
- Multi-meter use
- Basic troubleshooting techniques

### **Upon completion of this course, you will be able to:**

- Explain the difference between AC & DC, as well as fail safe and fail secure devices
- Calculate the total amperage rating needed for a power supply by analyzing all of the loads in a circuit
- Use a multi-meter to check voltage, resistance, and continuity to perform basic troubleshooting steps
- Connect a momentary push button, Von Duprin fail safe electric strike, and power supply
- Utilize a chart to check wire gauge based on voltage, amperage, distance between the load and power source
- List 10 common causes of electrified locking hardware malfunctions
- Ask 5 questions that will assist in isolating problems, troubleshoot their causes and make necessary repairs

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## **Telguard - Evolution of Cellular Technology in the Security & Fire Industry & Integration of IoT Services**

**Instructor: Daniel Rosales & Brian Dotson**

**Class Fee: \$50**

- Cellular Historical Perspective (TG products through the different cellular technologies)
- Why LTE Technology is a MUST
- Upgrading panel communications to current LTE Technology (Telguard delivery overview and installation)
- Telguard LTE in the Residential Space (TG-1 Express)
- Upgrading panel to include remote access (Universality of HomeControl FlexHub)
- IoT added services to increase RMR (Arlo Video System, FlexHub)
- Telguard LTE in the Commercial Space (Focus on the TG-7FS for Commercial Fire)
- NFPA Adoption of the technology as a single technology Path

## VIVERE - Leadership Skills to Help You and Your Team Thrive with Millennials

Instructor: Chip Vazquez

Class Fee: \$50

Learn how to get millennial workers to adapt to cultural norms of the current management. Seek and understand the millennials personal system of motives that drives their behaviors. Identify practical ways to recognize and communicate with different motivational styles of the millennials. Leave with tools that you can apply immediately in the workplace tomorrow.

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## Alarm Lock - Network Connectivity and DL Windows Software Overview

Instructor: Andy Phelps

Class Fee: \$50

This class is hands on and will cover all aspects of DL Windows Software programming, including setting up a system with users, time zones, schedules, running an audit trail for the Networx products.

We will send/receive programming using our Laptops to Networx products. We will demonstrate the Networx - Global Emergency Commands to issue a "Lockdown" all locks within the system from the PC and/or from any lock within the system as if there was an emergency situation.

The Global Emergency Commands can also be used to "Unlock" all locks within the system from the PC or any lock within the system.

**Note:** Students **MUST bring their laptops to class**, we will load software and you will follow along for step by step programming instructions. Laptops **MUST** be fully updated with all current Microsoft Windows OS and security updates prior to the start of the class.

**Friday, October 5, 2018 | Full Day Class Options**  
**Class Time: 8:00 a.m. to 5:00 p.m.**

### **STRATTEC – Hi-Security Automotive**

**Instructor: Ed Woods, Jeff Baker**  
**Class Fee: \$125**

This class is a joint venture with Strattec (Jeff Baker) and Ed Woods. First there will be a presentation on the history of Hi-Security and all of the 8 Styles. Including the evolution to what is used in today's GM, Ford, Chrysler and foreign auto manufactures.

Then we will get into the pinning exercise where students will receive Lock Service Packages for Hi-Security locks which we will assemble into full functioning locks. Now that you understand the inner-workings of the locks we will break out the tools used to pick and decode them. For the most part Lishi and Accureader tools will be used in the afternoon practice session.

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### **VIVERE – Strength Determination Inventory**

**Instructor: Chip Vazquez**  
**Class Fee: \$125**

Learn how to strengthen your relationships with your customers and your employees. Experience the hands-on training with the SDI that will allow you to better understand people's motivational values, not just their behaviors.

Conflict and motivational values are closely related, because people are more likely to go into conflict over things that are important to them – a critical insight in today's high-change business environments.

SDI is a lifelong tool that will be valuable in your daily interactions with your customers and your employees.

**Friday, October 5, 2018 | Half Day Class Options**  
**Morning Class Options: 8:00 a.m. to 12:00 p.m.**

### **Anixter – Infrastructure Solutions Best Practices for Physical Security Applications**

**Instructor: TBD**  
**Class Fee: \$0**

As more devices are integrated into a single Ethernet network, uptime is critical for an increasing number of physical security systems such as video surveillance and access control. Companies that want the best possible network to support its current needs and future requirements will look to the network infrastructure to meet their technical and performance specifications.

To have a fully supportable IP-Based network solution, it is becoming increasingly important to make the right choices up front when considering the network infrastructure components.

This class will focus on the fundamentals of structured cabling and wireless solutions best practices for physical security applications and will provide attendees insight on how to deploy physical security solutions that will support the migration towards IP-Based platforms.

## **Allegion - Electronics & CDVI solution**

**Instructor: Jon Webb (Allegion) & James Harrison (CDVI)**

**Class Fee: \$50**

This course is designed for owners, managers, sales representatives and/or techs responsible for getting into or growing your electronic security solutions business.

Attendees will learn about complete scalable electronic security solutions from standalone to complete “on the door” network electronic solutions.

We’ll discuss industry trends and how electronic security solutions grow with the ever advancing end-user needs. Learn how to leverage a complete electronic array of product solutions – position your business to differentiate itself from competition and WIN!

Topics Include:

- CO - basic standalone solutions
- AD – standalone
- Schlage readers and credentials
- AD-Network solutions
- AD/CDVI integrated solution

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## **Security Door Controls – Low-Energy Automatic Door Openers & Door Openings & Access Control Hardware**

**Instructor: Hunter Van Hulzen & Brent Maynard**

**Class Fee: \$50**

### Low-Energy Automatic Door Openers for ADA Compliance

Low-energy, swinging door operators provide convenient, hands-free, low-power point of entry door control to help meet all US and Canadian ADA requirements for door installations in a variety of locations.

This session takes a look at market trends for automatic doors, features that are driving the trends, some basic information specific to low-energy swinging doors, and application examples.

Attendees will learn how many automatic doors are designed to integrate with a variety of electronic sensors, access control systems, electromagnetic locks, electric strikes and exit devices for security applications.

### Door Openings & Access Control Hardware

This part of the presentation is designed to teach the attendee how to properly assess existing openings to make the proper decisions for providing electronic retrofit solutions. This will include comprehending the existing opening, identifying the existing hardware, reviewing some building and fire code requirements, and of course specifying the correct electronic locking hardware. We will also cover special system design, how to provide mantrap, interlock and other special locking arrangement systems to the end user.

Upon conclusion, attendee will have clarity on how to evaluate the opening and identify the right locking hardware opportunities to increase profits.

## **Assa Abloy – Level 3 Circuits, Diagrams and Projects**

**Instructor: Rodger Schmidt**

**Class Fee: \$50**

- Hands-on training with Circuits, Diagrams and BIG Power
- How to Develop a Access Circuit
- Review of Circuit Basics - Series vs Parallel Wiring
- Review of Smart Switches and Relays
- Developing a Circuit – 6 Step Process
- Development of a Point to Point Circuit Drawing
- Hands-on Drawing of a Point to Point Diagrams
- Power Supplies – Linear vs Switching
- Distribution Boards – What do I need to know!
- Hands-on Man-Trap Project – TEAM PROJECT
- Continued Hands-on testing with Multi-meter – voltage, amperage and resistance
- NEW PROJECTS IN THE AFTERNOON!

**Credits: 4 CEU**

**Friday, October 5, 2018 | Half Day Class Options**

**Afternoon Class Options: 1:00 p.m. to 5:00 p.m.**

## **CDVI – Atrium Access Control**

**Instructor: James Harrison**

**Class Fee: \$50**

The ATRIUM access control system redefines ease of use and performance. ATRIUM allows you to manage up to 500 doors (proximity card readers, keypads, or Schlage® door handles), using ATRIUM's embedded web server or ATRIUM's FREE software. The embedded web server provides instant results using any web browser, smart phone, or tablet.

This class will provide a product overview, along with demonstrations on software, programming, and applications. Attendees are encouraged to bring a laptop, smart phone, or tablet to participate in this hands on training!

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## **Advanced Diagnostics & Kaba Ilco - Automotive Product Line**

**Instructor: Tony Presidio**

**Class Fee: \$50**

Learn about the features and benefits of specific Advanced Diagnostics and Kaba Ilco Products and what it can do for your business. This presentation is a combination of classroom lecture, handouts and hands-on demonstrations.

- Smart Pro review and hands-on demonstration
- Futura Pro key cutting review and hands-on demonstration.
- Transponder Key Technology review.
- Cloning capabilities and review with RW4 Plus & M-Box Technology.
- Smart 4 Car review and demonstration.
- ROI Model Exercise.
- Customer Equipment review performed.
- Open discussion and Achievement Certificate Presentation.

**Note: Class no shows and cancellations after Monday September 24, 2018 will be charged the full class fee.**

## **RCI – Electronic Access & Control at the Door**

**Instructor: Peter Lowenstein**

**Class Fee: \$50**

Join us for an interactive session and experience complete electronic access control at the door, firsthand!

We will be discussing different electrification options for the door, including electromechanical products, standalone and wireless solutions, including software interface.

There will be various demonstrations of different technologies for this application, including explanation of a MESH.

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## **Assa Abloy – Electronic Strikes-Application/Install**

**Instructor: Rodger Schmidt**

**Class Fee: \$50**

Each attendee will receive our HES Strike installation templates for free and copies of our tools for site surveys.

- NFPA 80 – Fire Rated Assemblies – Installing strikes in a Fire rated assembly – Codes to Know
- Our new Strike Selector Tool – How to pick the right strike
- Understanding existing Hardware – What works together?
- Review of common electric strikes
- Small Opening Options – Wireless locks – Cabinets & drawers.
- Next generation of electric strikes - What is NEW!
- Installation tools, tips and installation demonstration