



CLASS DESCRIPTIONS

Monday, April 22

Full-Day Classes: 8:00 a.m. to 5:00 p.m.

101: Mechanical Combination Lock Fundamentals - Basic

Instructor: Mike Potter, CPS

Track: Safe & Vault

Content: 10% Lecture/90% Hands-On

Limit: 16

Description: Mechanical safe and vault locks are still very popular throughout the world. This class is structured for those just getting into the safe and vault industry. We will delve into learning how to properly change combinations as well as basic servicing techniques. Learn how to diagnose problems and successfully open safes many times without requiring drilling.

103: Safe Deposit Series: Safe Deposit Basics (Day 1 of 3) – Intermediate

Instructors: Gene Gyure, CRL, CAI, with Dan Billheimer, CPL, CPS, CAI

Track: Safe Deposit

Content: 40% Lecture/60% Hands-On

Limit: 20

Lab Fee: 103R Lab Fee – REQUIRED: \$20 for screwdrivers, jump drive with class material

Description: This class will give you the basic knowledge needed to work on safe deposit locks. How to act and work within a bank; how to identify locks; various tools required; and much more.

104: Dialing for Dollars with Diagnostics - Advanced

Instructor: James K. Ashley, CMST, CPL, CMEL, CFL, CAI

Track: Safe Opening

Content: 40% Lecture/60% Hands-On

Limit: 20

Requirement: *Students must have experience in safe locks or already taken an Intro to Mechanical Safe Lock class.*

Description: When you get called to open a safe with a mechanical lock, take some time to diagnose the problem — and this class will show you how! Experience real-world safe problems and be taught how to overcome them. Topics covered include loose dial rings, spline keys, fired relockers, problems experienced with combination changing, proper cleaning and lubrication, preventative maintenance and ultimately knowing when to break out a drill based on your diagnostics.

105: Electronic Safe Lock: Comprehensive Overview of Components, Programming, Service & Defeat – Beginner/Advanced

Instructor: Phil Sutherland

Track: E-lock Safes

Content: 35% Lecture/65% Hands-On

Limit: 20

Description: Electronic Safe Lock: Comprehensive Overview of Components, Programming, Service & Defeat

Class Goals: By the end of this class, you will

1. Understand the Components of Electronic Safe Locks
 - Hardware
 - Language
 - Programming
2. Select the correct Hardware & lock model for your application
3. Understand Lock Language – Key to successful Servicing
4. Understand Programmable Features to differentiate between lock models



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5. Servicing, Troubleshooting & Defeat Techniques

Hands-On Lock Models: (35% Lecture, 65% Hands-on)

- LA GARD: LGBasic, 700Basic
- S&G: 6120, Titan
- Securam: SafeLogic Basic, ProLogic L02
- Tecnosicurezza: Pulse, PulsePro

Defeat Methods reviewed

- By-Pass: Little Black Box
- Spiking: Lance Mayhew
- Drilling: Drill Points

108: Basic Group 2 Safe Combo Lock Manipulation (Day 1 of 2) - Beginner

Instructor: Martin Sharp and Asst. Michael A. McElheney, CMST, CML

Track: Manipulation

Content: 30% Lecture/70% Hands-On

Limit: 30

Requirement: *For attendees to gain maximum benefit from this class formal training on combination locks (i.e., servicing, diagnostics etc.) should have already been received and students should (at minimum) have a practical and working knowledge of Group 2 locks.*

Description: Don't let the title deceive the reader--there is nothing 'basic' about combination lock manipulation! Students of this class will receive the necessary instruction to accomplish the task. From nomenclature to design; from tolerances to techniques; students will leave having opened a Group 2 combination lock via manipulation. The focus will be upon the S&G 6730 and students will have the option of retaining their mounted cutaway for practice--the optional lab fee applies to the purchase of said lock.

Evening Seminar – Free – 7-9 pm

109: Basic Dialing Diagnostics – Beginner

Instructor: Dan Billheimer, CPL, CPS, CAI

Limit: 12

109R Lab Fee - REQUIRED: \$49 **This seminar is not part of class packages, and this fee must be paid separately. Pre-registration*

Description: The course provides an overview of both common and less well-known techniques to open a safe lock when the combination is known. By taking this class, you will learn valuable tricks that can be used to open a safe quickly and efficiently.

Tuesday, April 23

Full-Day Classes: 8:00 a.m. to 5:00 p.m.

201: Mechanical Combination Lock Fundamentals (Day 2 of 2)

Instructor: Gregory L. Perry, CML, CPS, CMEL, AMKS

The 2nd day of class description TBD.

202: ST/PRP Class Prep & CPS (Day 1 of 2) - Beginner

Instructor: Harry L. Sher, CML, CPS

Track: Certification

Content: 50% Lecture/50% Hands-On

Limit: 25

2020 Lab Fee - OPTIONAL: \$160 Optional video



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Description: This class is designed for the locksmith who turns down safe service calls. The major learning objective is to add the very profitable specialty of professional safe servicing to the full service locksmith's offerings and to build the locksmith's confidence and ability. Many safe lockout service calls (perhaps half) simply require the correct dialing sequence and as many as 90% do not require container penetration. A book covering these procedures will be provided to each student. The class will cover terminology, identification, combination changing, dialing diagnostics, and opening procedures such as manipulation, drilling, change keyhole scoping, etc. This class is not designed for the expert safe technician nor will it make you an expert. It will enable you to start learning and to begin earning money immediately doing safe work. It will help you recognize your limitations, so you will feel confident with the work that you do and the work that you refer. The student will learn what technical information and tools are available and you will be able to make an informed decision as to what tools to add to your arsenal, and in what order. The student will learn about professional organizations for, and how to network with, other safe technicians. The student will learn how to secure GSA container work and how to access the hot line, provided free to the locksmith by the US Government. **NOTE: The Certified Professional Safetech Exam is INCLUDED with this class, you will be taking the exam at the end of the second day. CPS exam part of this class package.**

203: Safe Deposit Series: Safe Deposit Defeat (Day 2 of 3) - Intermediate

Instructors: Gene Gyure, CRL, CAI, with Dan Billheimer, CPL, CPS, CAI

Track: Safe Deposit

Content: 30% Lecture/70% Hands-On

Limit: 20

Requirement: Prerequisite of Safe Deposit Basics (unless the student can demonstrate proficiency). This is day 2 of a 3-day series. Day 1 is required to understand the terminology and class requirements.

203R Lab Fee – REQUIRED: \$20 for screwdrivers, jump drive with class material, misc. items

Description: This is an introductory class on forensics for safe techs. Each student will be taught basic forensic study of locks, nomenclature and terminology relating to how to examine for bypass marks. We will review actual field cases relating to safes that were opened in various ways. You will see the tools used in the study of forensics examination. **This class is one of the required classes to take your certified forensic locksmith (CFL) exam in safes and vaults.**

204: Forensics for Safe Technicians (Day 1 of 2) - Intermediate

Instructor: James K. Ashley, CMST, CPL, CMEL, CFL, CAI

Track: Certification

Content: 45% Lecture/55% Hands-On

Limit: 30

204R Lab Fee - REQUIRED: \$60

204P Lab Fee - OPTIONAL: \$150 for CFL S&V F-03 Exam

Description: This is an introductory class on forensics for safe techs. Each student will be taught basic forensic study of locks, nomenclature and terminology relating to how to examine for bypass marks. We will review actual field cases relating to safes that were opened in various ways. You will see the tools used in the study of forensics examination. *This class is one of the required classes to take your certified forensic locksmith (CFL) exam in safes and vaults.*

205: SecuRam Electronic Safe Locks: Comprehensive Overview of Components, Programming, Service & Defeat - Beginner/Intermediate

Instructor: Phillip Sutherland

Track: E-lock Safes

Content: 20% Lecture/80% Hands-On

Limit: 20



CLASS DESCRIPTIONS

Description: Securam Electronic Safe Locks: Comprehensive Overview of, Components, Programming, Service & Defeat

Class Goals: By the end of this class, you will

1. Understand the Components of Electronic Safe Locks
 - Hardware
 - Language
 - Programming
2. Select the correct Hardware & lock model for your application
3. Understand Lock Language – Key to successful Servicing
4. Understand Programmable Features to differentiate between lock models
5. Servicing, Troubleshooting & Defeat Techniques

Hands-On Lock Models: (20% Lecture, 80% Hands-on)

- SafeLogic
- Basic
- C10 Direct Drive
- ProLogic
- L02

Defeat Methods reviewed

1. By-Pass: Little Black Box
2. Spiking: Lance Mayhew
3. Drilling: Drill Points

206: Common Key-Operated Locks in the U.S. - Beginner

Instructors: Joseph R. Reustle, CPS, CAI, GSAT, and Dave Fullarton

Track: Safe & Vault

Content: 60% Lecture/40% Hands-On

Limit: 12

206R Lab Fee - REQUIRED: \$50 for tools, servicing locks and set-up keys

Description: Students will be taught about the FAS Key Lock, S&G 6804 Lock and LA GARD 2200 Key Lock. We will take apart locks and learn to reset them as if the safe is open and the key was lost. We will discuss opening of locks. There will be no drilling or defeat of locks in this class.

208: Basic Group 2 Safe Combo Lock Manipulation (Day 2 of 2)

See Class 108.

Evening Seminar – Free – 7-9 pm

209: Scoping the Change Key Hole

Instructor: Dan Billheimer, CPL, CPS, CAI

Seminar Limit: 20

209R Lab Fee - REQUIRED: \$49 *This seminar is not part of class packages, and this fee must be paid separately. Pre-registration.

Description: "Scoping the Change Key Hole" is a fascinating class that teaches you how to obtain the safe lock combination by looking through the change key hole. This class provides a comprehensive overview of the basic techniques to help you master this skill. With "Scoping the Change Key Hole," you will be able to fine-tune your abilities and take your locksmith skills to the next level. Additionally, this class offers an opportunity to hone your skills and gain confidence in your abilities. Don't miss out on this exciting opportunity to learn and grow as a locksmith!

Wednesday, April 24

Full-Day Classes: 8:00 a.m. to 5:00 p.m.



CLASS DESCRIPTIONS

301A: Common Lockout Issues with Time Locks HALF DAY - *Beginner*

Instructor: Ed J. March IV, RL

Track: Safe Opening

Content: 75% Lecture/25% Hands-On

Limit: 10

Description: The most common lockouts caused by a Time Lock will be covered. Along with the presentation there will be some hands on that will allow the students to recognize the cause of these failures and how to correct them. Most failures of the Time Lock have nothing to do with the Time Lock themselves, they involved a bad assembly or customer interference.

301P: Mechanical Lock Diagnostics P.M. HALF DAY - *Beginner*

Instructor: Ed J. March IV, RL

Track: Safe Opening

Content: 75% Lecture/25% Hands-On

Limit: 10

Requirement: Should have previously taken the basic mechanical lock course.

Description: Mechanical lock diagnostic procedures will be covered with this class. Counting wheels and determining contact points are the starting point of diagnostics. Students will learn techniques to determine the cause of the lock out and get the lock open. This will cover issues that can range from internal failures to problems when the lock was installed initially.

302: ST/PRP Class Prep & CPS (Day 2 of 2)

See Class 202

303: Safe Deposit Series: Safe Deposit Service & Repair (Day 3 of 3) - Intermediate

Instructors: Gene Gyure, CRL, CAI, with Dan Billheimer, CPL, CPS, CAI

Track: Safe Deposit

Content: 20% Lecture/80% Hands-On

Limit: 20

Requirement: Prerequisite of Safe Deposit Basics and Defeat. (Unless the student can demonstrate a proficiency). This is day 3 of a 3-day series. Day 1 & 2 are required to understand the terminology, techniques and class requirements.

303R Lab Fee – REQUIRED: \$20 for screwdrivers, jump drive with class material, misc. items

303P Lab Fee – OPTIONAL: \$40 PRP Elective L-25 Safe Deposit Locks

Description: This class will give you the knowledge needed to repair and service a wide variety of safe deposit locks. We will be code cutting keys, hand filing keys, Guard match-working; repairing hole(s) in steel doors, and more. Discussions will include exchanging locks (often called rotation) and more.

304: Forensics for Safe Technicians (Day 2 of 2)

See Class 204

305: S&G Electronic Safe Locks: Comprehensive Overview of Components, Programming, Service & Defeat – Beginner & Intermediate

Instructor: Phillip Sutherland

Track: E-lock Safes

Content: 20% Lecture/80% Hands-On

Limit: 20



CLASS DESCRIPTIONS

Description: S&G Electronic Safe Locks: Comprehensive Overview of, Components, Programming, Service & Defeat

o Class Goals: By the end of this class, you will

1. Understand the Components of Electronic Safe Locks
 - Hardware
 - Language
 - Programming
 2. Select the correct Hardware & lock model for your application
 3. Understand Lock Language – Key to successful Servicing
 4. Understand Programmable Features to differentiate between lock models
 5. Servicing, Troubleshooting & Defeat Techniques
- o Hands-On Lock Models: (20% Lecture, 80% Hands-on)**
- 6120
 - Spartan
 - Titan
- o Defeat Methods reviewed**
- By-Pass: Little Black Box
 - Spiking: Lance Mayhew
 - Drilling: Drill Points

306: Basic Safe Opening - Beginner

Instructor: Joseph R. Reustle, CPS, CAI, GSAT, and Dave Fullarton

Track: Safe Opening

Content: 60% Lecture/40% Hands-On

Limit: 24

Requirement: Students should be proficient

in understanding how a combination lock functions and proper names of its parts. Students should also be able to use basic tools and read a tape measure.

306R Lab Fee – REQUIRED: \$95 for consumables and shipping of safes

306P Lab Fee - OPTIONAL: \$40 for PRP Elective L-33 Safe Opening and Servicing.

Description: Students will be taught about the basic tools and how to use them. We will cover drilling of mechanical safe locks as well as some ways to overcome some malfunctions without drilling.

307: Method of Entry - Lever Locks – Beginner & Intermediate

Instructor: Russell Davies, CPS

Track: Safe Opening

Content: 25% Lecture/75% Hands-On

Limit: 15

307R Lab Fee - REQUIRED: \$50 for materials used in class

This same class will be offered two (2) times, same class, on two (2) days; 307 or 407. Choose one (1) of the two (2) days available.

Description: Identify lever lock type (safe). You will be using tools to carry out identifying lock parts, levers and measurements. Fabricate lock picks from Spring wires and pick locks open. This same class will be offered two (2) times, same class, on two (2) days; 307 & 407. Choose one (1) of the two (2) days available.

308: Advanced Group 2 Safe Combo Lock Manipulation (Day 1 of 2) - Advanced

Instructors: Martin Sharp and Asst. Michael A. McElheney, CMST, CML

Track: Manipulation

Content: 40% Lecture/60% Hands-On

Limit: 30



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Requirement: Attendees should have already received formal training on the subject (e.g., have completed the Basic Manipulation class) and you must have an audio amplifier to use during the class.

308P Lab Fee - OPTIONAL: \$40 for PRP Elective L-24 Safe Combo Lock

Description: This advanced class is not for novice manipulators. It's designed to make good manipulators become more successful and more profitable. The class will include diagnostics and identification, time reduction, tricks and tips, tools and aids, and advanced defeat methods for combination locks. The primary focus will be on the LA GARD 3330. However, other locks that cause issues will also be covered. **You must have an audio amplifier to use during the class.**

309: X-10 Certification Training – Intermediate

Instructors: Greg L. Perry, CML, CPS, CMEL, AMKS

Track: Manipulation

Content: 0% Lecture/40% Hands-On

Limit: 15

Requirement: Must be a US Citizen

Description: 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. Class instruction will cover:

- How to properly install the X-10
- How to set up the lock in various modes of operation
- How to change combinations
- Recognize and clear error conditions in the lock
- Auditing procedures and basic troubleshooting
- How to program and operate the lock in single, dual, and supervisor/subordinate modes

All tools will be provided and students will receive a training workbook and product material. A multiple-choice exam will be given at the end of the course. Students must score 76% or higher to obtain certification.

Evening Seminar – Free – 7-9 pm

309: Scoping the Change Key Hole

Instructor: Dan Billheimer, CPL, CPS, CAI

Seminar Limit: 20

309R Lab Fee - REQUIRED: \$49 **This seminar is not part of class packages, and this fee must be paid separately. Pre-registration.*

Description: "Scoping the Change Key Hole" is a fascinating class that teaches you how to obtain the safe lock combination by looking through the change key hole. This class provides a comprehensive overview of the basic techniques to help you master this skill. With "Scoping the Change Key Hole," you will be able to fine-tune your abilities and take your locksmith skills to the next level. Additionally, this class offers an opportunity to hone your skills and gain confidence in your abilities. Don't miss out on this exciting opportunity to learn and grow as a locksmith!

Thursday, April 25

Full-Day Classes: 8:00 a.m. to 5:00 p.m.

401: Time Lock Service (Day 1 of 2)

Instructor: Ed J. March IV, RL



CLASS DESCRIPTIONS

Track: Timelock

Content: 25% Lecture/75% Hands-On

Limit: 10

401R Lab Fee – REQUIRED: \$250 for cleaning materials and tools

401P Lab Fee – OPTIONAL: \$40 for PRP Elective L-26 Time Locks on second day

Description: Time Lock service and repair are covered in this hands-on class. The TMI and S&G Time Lock assemblies will be used since they are the most common in the industry. With the TMI and S&G assemblies we will be going through the most common adjustments and repairs as well as the proper cleaning procedure. Along with the adjustments the students will be taught the proper testing techniques to verify proper operation until the next inspection. The lab fee will include the TMI journeyman kit the student will receive.

402: Safe Lock Servicing - Beginner

Instructor: Harry L. Sher, CML, CPS

Track: Safe & Vault

Content: 50% Lecture/50% Hands-On

Limit: 25

402O Lab Fee – OPTIONAL \$160 for video

402P Lab Fee - OPTIONAL: \$40 for PRP Elective L-33 Safe Opening and Servicing

Description: This class is designed for the locksmith who turns down safe service calls. The major learning objective is to add the very profitable specialty of professional safe servicing to the full service locksmith's offerings and to build the locksmith's confidence and ability. Many safe lockout service calls (perhaps half) simply require the correct dialing sequence and as many as 90% do not require container penetration. A book covering these procedures will be provided to each student. The class will cover terminology, identification, combination changing, dialing diagnostics, and opening procedures such as manipulation, drilling, change keyhole scoping, etc. This class is not designed for the expert safe technician nor will it make you an expert. It will enable you to start learning and to begin earning money immediately doing safe work. It will help you recognize your limitations, so you will feel confident with the work that you do and the work that you refer. The student will learn what technical information and tools are available and you will be able to make an informed decision as to what tools to add to your arsenal, and in what order. The student will learn about professional organizations for, and how to network with, other safe technicians. The student will learn how to secure GSA container work and how to access the hot line, provided free to the locksmith by the US Government.

403: Electronic Safe Lock Servicing - Beginner

Instructor: Gregory L. Perry, CML, CPS, CMEL, AMKS

Track: E-lock Safes

Content: 50% Lecture/50% Hands-On

Limit: 25

Description: Electronic safe locks are on all types of safes and vaults. Many customers are afraid to change the combination, knowing how to identify them and how to change them is a money making skill. This class will take the students through over 20 different Elocks including GSA Locks, common Elocks from S&G, Securam, and LA GARD and less common locks including several different open solenoid locks. Students will leave the class with a great understanding of how these locks operate and an electronic manual of installation and programming instructions for most Elocks seen in the field today. This class not only focuses on installing and servicing Elocks, but will also discuss various opening techniques. The class is divided between a morning lecture and the afternoon is spent programming all the different locks. This class is designed for the beginning technician as well as those that have some safe servicing experience but desire more knowledge.

CLOSED: Spiking Electronic Locks - Beginner

Instructor: Lance Mayhew

Track: E-lock Safes

Content: 50% Lecture/50% Hands-On

Limit: 16

404O1 Lab Fee - OPTIONAL Lab A: \$295 for book. If you do not own it, you are REQUIRED to purchase.



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40402 Lab Fee - OPTIONAL Lab B: \$215 for Valkyrie. If you do not own the Valkyrie, you are REQUIRED to purchase.

404R3 Lab Fee - REQUIRED Lab C: \$25 for probes.

This same class will be offered two (2) times, same class, on two (2) days; 404 or 504. Choose one (1) of the two (2) days available.

Description: This class covers how to electronic safe lock spiking, which can be used to 'hot-wire' many locks and open them through the spindle hole. The class is a mixture of hands-on training and conventional classroom instruction. Students will start by building their own probes using the provided tools and materials. Then, during the lecture portion, they will use their new probes as they learn how to spike sample locks in several different ways. We will cover different aspects of electronic locks, including circuit board construction, component identification, spike targets, and the different types of spike circuits and how to use them. LA GARD and Securam swing bolts are used to teach the main principles. Other locks will be available for students to practice with if time permits. Lab Fees—this class requires each student to have their own textbook and Valkyrie in hand on class day. The full Lab Fee applies to students who do not have a textbook and/or Valkyrie, in which case they will be provided, and (along with the probes made in class) are theirs to keep. Students who bring their own textbook and/or Valkyrie will have their Lab Fees lowered accordingly.

405: LA GARD Electronic Safe Locks: Comprehensive Overview of Components, Programming, Service & Defeat – Beginner & Intermediate

Instructor: Phillip Sutherland

Track: E-lock Safes

Content: 30% Lecture/70% Hands-On

Limit: 20

Description: LA GARD Electronic Safe Locks: Comprehensive Overview of, Components, Programming, Service & Defeat

o Class Goals: By the end of this class, you will

1. Understand the Components of Electronic Safe Locks
 - Hardware
 - Language
 - Programming
2. Select the correct Hardware & lock model for your application
3. Understand Lock Language – Key to successful Servicing
4. Understand Programmable Features to differentiate between lock models
5. Servicing, Troubleshooting & Defeat Techniques

o Hands-On Lock Models: (30% Lecture, 70% Hands-on)

- LGBasic, 700Basic
- 39E
- Overview
- 700 Series

o Defeat Methods reviewed

1. By-Pass: Little Black Box
2. Spiking: Lance Mayhew
3. Drilling: Drill Points

406: Advanced Safe Opening & Repair (Day 1 of 2) – Intermediate

Instructor: Joseph R. Reustle, CPS, CAI, GSAT, and Dave Fullarton

Track: Safe Opening

Content: 40% Lecture/60% Hands-On

Limit: 20

Requirement: Students should have taken the Basic Safe Opening Class. Students should also be able to use basic tools and read a tape measure.

406R Lab Fee – REQUIRED: \$155 for consumables and shipping of safes

406P Lab Fee - OPTIONAL: \$40 for PRP Elective L-33 Safe Opening and Servicing



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Description: Students will learn about safe construction, hard plates and relockers. We will cover drilling of mechanical safe locks, electronic locks and relockers.

407: Method of Entry - Lever Locks - Beginner

Instructor: Russell Davies, CPS

Track: Safe Opening

Content: 25% Lecture/75% Hands-On

Limit: 15

407R Lab Fee – REQUIRED: \$50 Fees for materials used in class

This same class will be offered two (2) times, same class, on two (2) days; 307 or 407. Choose one (1) of the two (2) days available.

Description: Identify lever lock type (safe). You will be using tools to carry out identifying lock parts, levers and measurements. Fabricate lock picks from Spring wires and pick locks open.

408: Advanced Group 2 Safe Combo Lock Manipulation (Day 2 of 2)

See Class 308.

Friday, April 26

Full-Day Classes: 8:00 a.m. to 5:00 p.m.

501: Time Lock Service (Day 2 of 2)

See Class 401

502: Electronic Safe Lock Servicing - Beginner

Instructor: Harry L. Sher, CML, CPS

Track: E-lock Safes

Content: 50% Lecture/50% Hands-On

Limit: 25

Requirement: *Students should have a basic knowledge of safe locks and their mechanisms to fully comprehend the material in this class.*

502O Lab Fee – OPTIONAL \$160 for video

Description: Electronic safe lock manufacturing is one of the fastest growing segments of the safe lock industry today. As new models are introduced, changes in the older models are affected. The progressive locksmith/safe technician must take Advantage of every opportunity to learn about this ever-changing area. This one day class will focus on the features of locks from the most popular electronic safe locks from AMSEC, LA GARD/Kaba Mas, and Sargent & Greenleaf. You will learn installation tips and techniques, combination changing, programming various functions and many troubleshooting tips. The class will include a demonstration of various electronic safe lock defeat methods. Note taking and photography is welcomed in this class. This is a MUST class if you wish to stay abreast of the technologies in the electronic safe lock field. **The information presented will be useful in preparing for PRP Section L- 24 & L-33 and STPRP Section S-00.**

503: Mechanical Safe Lock Servicing

Instructor: Gregory L. Perry, CML, CPS, CMEL, AMKS

Track: Safe and Vault

Content: 50% Lecture/50% Hands-On

Limit: 25

503P Lab Fee - OPTIONAL: \$40 for PRP Elective L-24 Safe Combination Lock

Description: Combination locks have been a part of the safe industry since the mid 1850's. Knowing how they are assembled and serviced should be the first step for any technician wanting to work on safes. This



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class will take the students through a complete disassembly of a couple different combination safe locks. We will change combinations and learn how to decode unknown combinations when you have access to the inside or the safe by looking through the change keyhole. We will also look at several different combination lock designs with an emphasis on operation and service. This class is designed for the beginning technician as well as those that have some safe servicing experience but desire more knowledge. If you don't know why flies move or the differences between group 1, 1R and group 2 locks you need this class.

CLOSED: 504: Spiking Electronic Locks - Beginner

Instructor: Lance Mayhew

Track: E-lock Safes

Content: 50% Lecture/50% Hands-On

Limit: 16

504O1 Lab Fee - OPTIONAL Lab A: \$295 for book. If you do not own it, you are REQUIRED to purchase.

504O2 Lab Fee - OPTIONAL Lab B: \$215 for Valkyrie.

If you do not own the Valkyrie, you are REQUIRED to purchase.

504R3 Lab Fee - REQUIRED Lab C: \$25 for probes.

This same class will be offered two (2) times, same class, on two (2) days; 404 or 504. Choose one (1) of the two (2) days available.

Description: This class covers how to electronic safe lock spiking, which can be used to 'hot-wire' many locks and open them through the spindle hole. The class is a mixture of hands-on training and conventional classroom instruction. Students will start by building their own probes using the provided tools and materials. Then, during the lecture portion, they will use their new probes as they learn how to spike sample locks in several different ways. We will cover different aspects of electronic locks, including circuit board construction, component identification, spike targets, and the different types of spike circuits and how to use them. LA GARD and Securam swing bolts are used to teach the main principles. Other locks will be available for students to practice with if time permits. Lab Fees—this class requires each student to have their own textbook and Valkyrie in hand on class day. The full Lab Fee applies to students who do not have a textbook and/or Valkyrie, in which case they will be provided, and (along with the probes made in class) are theirs to keep. Students who bring their own textbook and/or Valkyrie will have their Lab Fees lowered accordingly.

505: Tecnosicurezza Electronic Safe Locks: Comprehensive Overview of Components, Programming, Service & Defeat -Beginner & Intermediate

Instructor: Phillip Sutherland

Track: E-lock Safes

Content: 30% Lecture/70% Hands-On

Limit: 20

Description: Tecnosicurezza Electronic Safe Locks: Comprehensive Overview of, Components, Programming, Service & Defeat

o Class Goals: By the end of this class, you will

1. Understand the Components of Electronic Safe Locks
 - Hardware
 - Language
 - Programming
2. Select the correct Hardware & lock model for your application
3. Understand Lock Language – Key to successful Servicing
4. Understand Programmable Features to differentiate between lock models
5. Servicing, Troubleshooting & Defeat Techniques

o Hands-On Lock Models: (30% Lecture, 70% Hands-on)

- Pulse
- PulsePro
- Overview
- MiniTech
- PulsePro

o Defeat Methods reviewed

1. Drilling: Drill Points



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506: Advanced Safe Opening & Repair (Day 2 of 2)

See Class 406

CLOSED: 507: Digital Manipulation for Mechanical Safe Locks - Beginner

Instructor: Russell Davies, CPS

Track: Manipulation

Content: 25% Lecture/75% Hands-On

Limit: 10

507R Lab Fee – REQUIRED: \$100 for materials used in class

507P Lab Fee - OPTIONAL: \$40 for PRP Elective L-33 Safe Opening and Servicing

Description: Candidate will be shown how to manipulate a mechanical Combination Lock with a digital manipulation aid.