





## NAEC CET/CAT Approved Continuing Education

Courses expire September 30, 2025





The following courses/sessions have been reviewed and approved by the NAEC Education Committee for credit toward CET and/or CAT recertification. Please contact the listed provider for enrollment information. Symbols next to each course title indicate the delivery method.


	<b>Text Based</b>	Courses that are completed by reading or studying a book. Text-based courses have an exam which may be online.
	<b>Web / Computer Based</b>	Courses that are completed online (including webinars) or delivered via CD ROM
<b>eL</b>	<b>eLearning</b>	Courses that are completed online and delivered via Peach system
	<b>Seminar/Classroom</b>	Courses that are presented in a seminar or classroom setting.
	<b>Article Based</b>	Courses that are completed by reading or studying an article. Article-based courses have an exam which may be online.

**NAEC:** For enrollment information contact NAEC Certification at 800-900-6232 or visit [www.naec.org](http://www.naec.org)




	Course Title	Contact Hrs	CET	CAT	Safety
	<b>DC Drives</b> Course based on <i>Electronic Variable Speed Drives (Delmar)</i> , 3 <sup>rd</sup> Edition, Chapters 1-8, by Michael Brumbach. (Book available through Elevator World)	4.00	X		
	<b>AC Drives</b> Course based on <i>Electronic Variable Speed Drives (Delmar)</i> , 3 <sup>rd</sup> Edition, Chapters 10-15, by Michael Brumbach. (Book available through Elevator World)	4.50	X		
	<b>Device Review</b> Course based on <i>Electronic Variable Speed Drives (Delmar)</i> , 3 <sup>rd</sup> Edition, Appendix A-E, by Michael Brumbach. (Book available through Elevator World)	2.50	X		
	<b>EMS Freight Door Installation</b> Installation guide provided by EMS Group. Online exam. CD ROM available through NAEC or EMS Group. EMS contact: 800-489-4889 or emsdoors.com	1.50	X		
	<b>Passenger Elevator Door Equipment – Chapters 1-2</b> Chapter 1: Door Types <ul style="list-style-type: none"> <li>Chapter 2: Preparation of Shaft &amp; Clearances</li> </ul> Inactive CD Rom available through NAEC – content provided by Columbia Elevator Products & GAL Manufacturing. Exam online.	1.00	X		
	<b>Passenger Elevator Door Equipment – Chapters 3-4</b> <ul style="list-style-type: none"> <li>Chapter 3: Installation of Sliding Passenger Elevator Entrances</li> <li>Chapter 4: Hoistway Equipment</li> </ul> Inactive CD Rom available through NAEC – content provided by Columbia Elevator Products & GAL Manufacturing. Exam online.	1.50	X		
	<b>Passenger Elevator Door Equipment – Chapters 5-6</b> <ul style="list-style-type: none"> <li>Chapter 5: Car Equipment</li> <li>Chapter 6: Swing Hoistway</li> </ul> Inactive CD Rom available through NAEC – content provided by Columbia Elevator Products & GAL Manufacturing. Exam online.	1.50	X		
<b>eL</b>	<b>2 Way Communication and Applicable Code</b> Kings III	1.50	X	X	
<b>eL</b>	<b>A17.1/B44 Maintenance Control Program</b> Elevator Safety Solutions, LLC	1.00	X		
<b>eL</b>	<b>Addressing the Most Common Questions Related to Retrofit Code</b> Electrobyn	1.50	X		
<b>eL</b>	<b>ALP Elevator Wire Rope Seminar</b> ALP Industries, Inc.	1.50	X	X	
<b>eL</b>	<b>ASME A17.4 – Guide for Emergency Personnel</b> Elevator Safety & Technical Services	1.00	X	X	
<b>eL</b>	<b>Avoiding Trouble with Retrofit Drive Installations</b> Magnetek	1.00	X	X	
<b>eL</b>	<b>Coated Traction Ropes</b> Brugg Wire Ropes	1.00	X	X	

	Course Title	Contact Hrs	CET	CAT	Safety
eL	<b>Comparing Layout, Setup, &amp; Adjustments of GALaxy III to GALaxy IV</b> GAL, Mfg.	1.00	X		
eL	<b>Control Valves</b> EECO	1.00	X	X	
eL	<b>Creating Code Compliant Maintenance Control Programs</b> Vertical Assistance	1.00	X		
eL	<b>Customizing Vertical Platform Lifts</b> Handilift	1.00	X	X	
eL	<b>Debunking Myth of Elevator Energy</b> James W Bos, LLC	1.00	X		
eL	<b>Door Operators</b> Columbia Elevator Products	1.00	X	X	
eL	<b>Door Re-Opening Code &amp; Safety Training</b> SCS Elevator Products	0.50	X		
eL	<b>EECO Hydraulic Control Valve Training</b> Elevator Equipment Corp.	1.00	X	X	
eL	<b>Electrical Motor Repair - MOD Coupler Installation Demo</b> Electrical Motor Repair Co	0.50	X		
eL	<b>Electrical Safety</b> Magnetek	1.00			X
eL	<b>Elevator &amp; Escalator Inspection/Testing Techniques</b> Swett Corp.	1.00	X		
eL	<b>Elevator Lighting/Ceiling Materials</b> ECI	0.50	X	X	
eL	<b>ELVI Testing without Weights</b> Wurtec	1.00	X		
eL	<b>Employee Improvement Program Impacts Products, Customer Service &amp; Profits</b> MEI	0.50	X		
eL	<b>Fall Protection</b> D-C Elevator/Delaware Elevator	1.00			X
eL	<b>Fiber Optic Cables</b> Draka Elevator Products	1.00	X		
eL	<b>Hand &amp; Power Tool Safety</b> Hub International	0.50			X
eL	<b>How to Adjust Rope Tension &amp; Shackles</b> Draka	1.00	X	X	
eL	<b>Improving Hydraulic Elevator Performance with a Leveling System Upgrade</b> Vertitron	0.50	X		
eL	<b>Introducing &amp; Installing the Rope Gripper and Various Training Procedures</b> Hollister-Whitney	1.00	X		
eL	<b>Job Hazard Assessment – a Plan for Work Safety</b> Vertical Assessment Associates	1.00			X
eL	<b>Lightweight Stone Panel Systems for Elevators</b> Stoneworks of Art	1.00	X	X	
eL	<b>Load &amp; Temperature Compensation Method for Green Hydraulic Lifts by Means of Inverters</b> Blain Hydraulic	1.00	X	X	
eL	<b>Lubrication &amp; Elevator Ropes</b> Brugg Wire Rope	1.00	X	X	
eL	<b>Material &amp; Technology in Elevator Cab Interiors</b> SnapCab	1.00	X		
eL	<b>Mechanical &amp; Electrical Adjustment of MOVFR Door Operators</b> GAL, Mfg.	0.50	X		
eL	<b>Moisture Means Death for Hoist Ropes</b> Brugg Lifting	1.50	X	X	
eL	<b>MRL Market</b> Alliance Elevator Solutions	1.00	X		


	Course Title	Contact Hrs	CET	CAT	Safety
eL	<b>MRL vs. Overhead Traction</b> Motion Control Engineering	1.00	X	X	
eL	<b>One; Three; &amp; Five-Year Tests of A18.1 Equipment</b> Vertical Assessments	1.00	X	X	
eL	<b>Platform Lift Design: Top 10 Code Issues</b> Handi-Lift	1.00	X	X	
eL	<b>Principles of ITI Inground Telescopic Cylinder</b> ITI Hydraulik	0.50	X	X	
eL	<b>Running Clearances 101</b> Integrity Elevator	1.00	X	X	
eL	<b>Safe Elevator Operation with Serial I/O</b> Virginia Controls	1.00	X		
eL	<b>Sealing Management for Hydraulic Cylinders</b> The Texacone Co	1.00	X	X	
eL	<b>Suspension Rope Dynamics</b> Wurtec	1.00	X	X	
eL	<b>Technology, Functionally &amp; Operations of the Controller Line – Element Traction™ &amp; Element Hydro™</b> Motion Control Engineering	1.00	X		
eL	<b>The 5 Step Guide to the 70 Hour Hydraulic Installation</b> Alliance Elevator Solutions	1.00	X		
eL	<b>The Evolution of Elevator Control Systems</b> Elevator Control Corp.	1.00	X		
eL	<b>The Fan Club</b> Man-D-Tec	1.00	X	X	
eL	<b>The World is Flat ... ETP vs. ETT Traveling Cables</b> Turtle & Hughes	1.00	X	X	
eL	<b>Use of False Cars for Rail Installation</b> Wurtec	0.50	X		
eL	<b>Vertical Wheelchair Lifts &amp; Limited Uses/Limited Application</b> Elevator Service Co Inc.	1.00	X	X	
eL	<b>Watts Up with Cab Lighting</b> Man-D-Tec	1.00	X	X	
eL	<b>What's New with Seismic Requirements.... What are the Requirements to Control Unintended Motion</b> Draka Elevator	0.50	X	X	
	<b>NAEC Articles</b> Read the article & complete the quiz at the end of article or complete the test online. False Car (March 2013)	1.00			X
	<b>QEI Code Prep - How to Interpret Elevator Code Questions – QEI Workshop</b>	8.00	X	X	
	<b>QEI Code Update Course*</b> This ten-hour basic course is to provide continuing education for certified elevator inspectors and mechanics, which will include the following:				
	➤ Occupancy Evacuation Operation: ASME A17.1/B44 NFPA 72/101, A117, IBC	6.00	X		
	➤ Proper Methods of a Traction 5-Year Test	3.00	X		
	➤ Safety Training	1.00			X
	<b>NAEC 2023 Spring Educational Conference*</b> April 16-19, 2023, in Waikoloa Beach, HI				
	➤ Residential Communications Equipment & Canopen-Lift Protocol	1.00	X	X	
	➤ Freight Elevating Devices per ASME A17.1	1.00	X		
	➤ Why is CloudMonitoring Revolutionary?	1.00	X		
	➤ Door Lock Monitoring	1.00	X	X	
	➤ How Communications have Changed	1.00	X	X	

	<b>NAEC 2023 Convention &amp; Exposition*</b> September 10-13, 2023 – Reno, NV - Sessions approved are as follows:				
	➤ What you need to know about hydraulic MRLs	1.00	X	X	
	➤ 2 <sup>nd</sup> Generation 2-Way Visual Communication Industry Rollout, Results & Improvement	1.00	X		
	➤ To Repair or Not Repair? Safety systems and Code changes	1.00	X	X	
	➤ Optimizing Traction Elevator Machine Performance, Rope Life and Ride Quality	1.00	X		
	➤ Elevator Pit Safety is Everyone's Responsibility	1.00			X
	➤ Pit Ladders and Access Safety	1.00	X		
	➤ Converting Landlines to Cellular: Best Practices, Challenges, and Solutions for the Elevator Industry	1.00	X	X	
	➤ Innovative Solutions - PU-coated ropes in combination with compact Gearless Elevator Machines	1.00	X	X	
	➤ The Evolution of Elevator Doors Used in Home Elevators (from swing doors and collapsible gates to fully automatic doors systems)	1.00	X	X	
	➤ New Door Lock Monitoring requirements for existing elevators	1.00	X		
	➤ Elevator Drive Branch Circuit and Dynamic Braking Resistor Protection	1.00	X	X	
	➤ Understanding/Adjusting/Troubleshooting GALaxy Controllers	1.00	X		
	➤ How Communications Have Changed	1.00	X	X	


**Accredited Home Elevator:** For more information, contact Dawn Tanner  
dtanner@accelevator.com

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Control of Hazardous Energy (LOTO)</b>	1.00			X
	<b>Fall Protection/Ladders</b>	1.00			X
	<b>Hazard Communication</b>	1.00			X




**ALP Industries Inc:** For more information, contact Edward W Hamilton  
ewhamilton@alpindustries.com.


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>ALP Elevator Wire Rope Seminar</b> This is course will discuss the components of wire rope including construction, grades and cores, the types of wire rope sheaves, factors that affect service life of wire ropes and the inspection of wire rope.	1.50	X		

**Alpha Elevator Control:** For more information, contact Randall Glover at  
randy@alphaelevatorcontrol.com.






	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Installation/Service/Repair for Hydraulic Elevator Controller (LYKOS)</b>	4.00	X		

**American Heart Association:** Visit [www.heart.org](http://www.heart.org) for information about the Workplace Training.




	Course Title	Contact Hrs	CET	CAT	Safety
	<b>HeartSaver CPR</b> The Heartsaver CPR Course teaches CPR and relief of choking in adults and children, and infant CPR and relief of choking, and use of barrier devices for all ages.	3.00			X
	<b>HeartSaver AED</b> The Heartsaver CPR Course teaches skills such as giving CPR to an infant, child or an adult and using an AED.	3.00			X
	<b>HeartSaver First Aid</b> The Heartsaver First Aid Course is designed to meet OSHA regulations and teach basic first aid skills such as stopping bleeding that can be seen.	3.00			X

	<b>HeartSaver First Aid with CPR/AED</b> Topics include First Aid Basics, Medical Emergencies, Injury Emergencies and Environmental Emergencies.	3.00			X
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**American Red Cross:** Information about Workplace Training is available at [www.redcross.org](http://www.redcross.org)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>CPR - Adult</b> Participants learn how to perform CPR and manage breathing and cardiac emergencies in adults. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	3.50			X
	<b>Standard First Aid</b> Participants learn first aid skills to treat a variety of injuries such as burns; head, neck and back injuries; and heat and cold related emergencies. Participants also learn to manage sudden illnesses, stroke, seizures, bites and poisoning. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	3.75			X
	<b>CPR/AED – Adult</b> Participants learn adult CPR and AED skills to respond to breathing and cardiac emergencies. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	4.50			X
	<b>Standard First Aid with CPR - Adult</b> Provides first aid and adult CPR training and explains the role of AEDs in emergency cardiac care. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	5.50			X
	<b>Standard First Aid with CPR/AED - Adult</b> American Red Cross' most comprehensive training course for employees, this session provides training in first aid, adult CPR and AED skills. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	6.50			X

**Bailey Safety:** For more information, contact Nancy Bailey ([nancyb@baileysafety.com](mailto:nancyb@baileysafety.com)).


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Advanced Fall Protection</b>	3.00			X
	<b>First Aid/CPR/AED/ BBP</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hours in excess of the maximum will not be applied towards renewal.)	5.50			X
	<b>OSHA 10</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	10.00			X

**Bella Elevator LLC:** For more information, contact Scott Strum ([sstrum@bellaelevator.com](mailto:sstrum@bellaelevator.com)).


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Basic Elevator Safety and Code Review 1.0 (Residential)</b> This course is to provide a review of the safety protocols and applicable codes. Course topics include safety and code compliance issues.	1.25	X (0.75)	X (0.75)	X (0.5)
	<b>Basic Installation &amp; Troubleshooting 1.0 (Residential)</b> This course is to train installation, service and troubleshooting of Bella's residential elevators. IGD (Inline Gear Drive), RH (Residential Hydro), WD (Winding Drum) units will be covered. Course topics include safety, code compliance issues, installation, trouble shooting, basic electronics and service. Classroom and hands on installation, wiring and operation of demonstration IGD and RH units will be included.	19.50	X	X	
	<b>Drawing Verification and Installation of IGD Rail, Motor, and Lifter 1.1 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include drawing verification and installation of IGD rail, motor, and use of the IGD Lifter.	1.75	X	X	
	<b>Hydraulic Elevator Installation of Car Frame and Ropes, Hydro Structure Adjustments 1.5 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include installation of the car frame, ropes, and hydro structural adjustments.	1.00	X	X	

	<b>Install Running Platform and IGD Structure Adjustment 1.3 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include installing a running platform and IGD structure adjustment.	1.75	X	X	
	<b>Installation of Controller and Motor Wiring 1.2 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include installation of the controller and wiring of the motor.	1.75	X	X	
	<b>Installation and Control System Overview of Cibes A4000 &amp; A5000</b> This course is to train installation, maintenance, and troubleshooting of Cibes A4000 & A5000 lifts.	6.5	X	X	
	<b>Installation of Hydraulic Cylinder, Ram's Header, and Ropes 1.4 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include installation of the hydraulic cylinder, ram's header, and ropes.	1.25	X	X	
	<b>Installation of Residential Elevator Car and Gates 1.6 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include installation of the cab and gate(s).	1.75	X	X	
	<b>LULA &amp; Residential Elevator Advanced Troubleshooting</b> This course is to train installation, service and troubleshooting of Bella's LULA and residential elevators. Course topics include safety, code compliance issues, installation, trouble shooting, basic electronics and service. Classroom and hands on installation, wiring and operation of demonstration LULA and residential units will be included.	21.00	X	X	
	<b>LULA Basic Installation 1.0</b> This course is to train installation of Bella's LULA Elevators. Course topics include installation, troubleshooting, basic electrical, hydraulic adjustments, and service.	8.00	X	X	
	<b>Residential Elevator Inspection Guide and Maintenance Control Program (MCP) Overview 1.7 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include inspection guide and maintenance control program. Hands-on application or videos of installation, wiring, and operation of demonstration IGD unites will be included.	1.00	X	X	
	<b>Residential Elevator Troubleshooting 1.8 (Residential)</b> This course is to train installation, service, and troubleshooting of Bella's residential elevators. Course topics include programming, trouble codes, and troubleshooting.	1.50	X	X	
	<b>Vertical Platform Lift Installation and Troubleshooting</b> This course is to train installation, service and troubleshooting of Bella's Vertical Platform Lifts (VPL). Course topics include safety, code compliance, installation, trouble shooting, basic electrical and service. Classroom and hands on installation, wiring, troubleshooting and operation of demonstration will be included.	14.00	X	X	


**Bruno Independent Living Aids:** For more information, contact Ron Dries (ron.dries@bruno.com) or Bill Page (bill.page@bruno.com) at 262-953-5334

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Accelerated Certified Training – Accessibility Training</b> This 2-day in depth seminar will cover Stairlifts and Vertical Platform Lifts. Including Codes & Regulations, Site Prep, Installation, Service and Troubleshooting.	13.50		X	

















**David Weber Oil:** For more information, contact Jimmy Besterman (jimmy@weberoil.com) at 201-438-7333

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Hydraulic Fluids for the Elevator Industry</b>	1.00	X	X	


**DC Elevator:** For more information, contact Chuck Sharp (chuck.sharp@dcelevator.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Confined Spaces Training</b> This course is intended to learn the proper use of monitors including bump test and calibration as well as to review Lockout Tagout and pit entry procedures.	2.00			X


**Delaware Elevator:** For more information, contact Dayne Eisele at [dayne@delawareelevator.com](mailto:dayne@delawareelevator.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>CPR-AED-First Aid</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	4.00			X
	<b>Electrical Standards – OSHA 1910 &amp; NFPA 70</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	6.00			X
	<b>EMS Freight/ Elevator Training</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	8.00	X		
	<b>Entrance/GAL</b>	8.00	X	X	
	<b>Installing False Car Systems</b>	8.00	X		
	<b>Installation of Elevator Controllers, Door Operators, Hydraulic Control Valves, Hardware, and Associated Parts</b>	8.00	X 8.00	X 6.50	
	<b>Installation of Elevator Controllers, Motors, Drives, Hardware, Software and Associated Parts</b>	8.00	X	X	
	<b>Medic Basic First Aid</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	8.50			X
	<b>OSHA - 10</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	10.00			X
	<b>OSHA 30</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	30.00			X
	<b>OSHA Mandated MSDS to SDS</b>	2.00			X
	<b>OSHA Review</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	7.00			X
	<b>2017 OSHA Update/Silica Safety Training</b>	2.00			X
	<b>Rigging</b> This course cover properly calculate working loads, utilize different configurations of lifting equipment, properly access site safety and inspection means.	4.00	X		
	<b>Controllers, Drives, Schematics, Valves, Door Operators</b>				
	➤ 1 <sup>st</sup> Day of Training (Group 1/Day 1 & Group 2/Day 2)	7.50	X		
	➤ 2 <sup>nd</sup> Day of Training (Group 1/Day 3 & Group 2/Day 9)	7.50	X		
	➤ 3 <sup>rd</sup> Day of Training (Group 1/Day 4 & Group 2/Day 8)	VARIED	X 7.50	X 5.75	
	➤ 4 <sup>th</sup> Day of Training (Group 1/Day 5 & Group 2/Day 10)	7.50	X		
	➤ 5 <sup>th</sup> Day of Training (Group 1/Day 6 & Group 2/Day 7)	7.50	X		
	<b>Troubleshooting of Proprietary Controllers</b>	8.00	X		



**Delaware Elevator and Victaulic:** For more information, contact Chad Prettyman at [cprettyman@delawareelevator.com](mailto:cprettyman@delawareelevator.com) or Dennis Love at [dennis.love@victaulic.com](mailto:dennis.love@victaulic.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Victaulic Training</b> Upon completion of this course, each participant (elevator mechanic) will have a comprehensive overview of the Victaulic grooving process and installation procedures for hydraulic elevator piping. Each participant will also understand the code requirements for hydraulic fittings as stated in the ASME A17.1-2019 Section 3.19 (Valves, Pressure Piping, and Fittings).	4.0	X	X	



**Donnelly & Associates, Inc.** For more information, contact Joseph Donnelly at [jpdpe@comcast.net](mailto:jpdpe@comcast.net).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>2018 Code Update Program</b>	VARIED	X 10.00	X 3.5	


**Draka Elevator Products** For more information, contact Kyle Hendren at [kyle.hendren@prysmiangroup.com](mailto:kyle.hendren@prysmiangroup.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Technical Education and Solutions for Elevator Installation, Maintenance, Safety/Inspection and Upgrades</b>	8.00	X 7.00	X 1.50	X 1.00
	<b>Technical Education and Solutions for Elevator Installation, Maintenance, Safety/Inspection and Upgrades</b>	4.00	X		








**Eastern Elevator Service:** For more information, contact [Terrance.Gibson@easternelevator.com](mailto:Terrance.Gibson@easternelevator.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Safety Training</b>	1.00			X
	<b>OSHA 10 Hour Outreach Training</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	10.00			X


**Electrical Motor Repair Co.:** For more information, contact Kenny Houser at 609-392-6149 or [kenny@elevatormotor.com](mailto:kenny@elevatormotor.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>DC Gearless Maintenance and Troubleshooting</b>	1.00	X		

**Elevate:** For more information, contact Keith Evans at [keith.evans@efsteam.com](mailto:keith.evans@efsteam.com).



	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Hazard Communication Chemicals in the Workplace</b>	1.00			X
	<b>OSHA Power Industrial Truck Training</b>	3.00			X
	<b>Permanent Elevator Cartop Fall Hazard Controls &amp; Material Handling/Ergonomics</b>	1.00			X
	<b>Personal Protective Equipment PPE</b>	1.00			X
	<b>Supported Scaffold Awareness – Level Training</b>	1.00			X
	<b>OSHA - 10</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	10.00			X
	<b>OSHA - 30</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	30.00			X

**Elevator & Vertical Transportation Educational Assoc:** For more information, contact Bradley D. Fox at 517-974-8704 or [fsqe@att.net](mailto:fsqe@att.net).


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>EVETA 2018-2019 Elevator Code and Safety Review Seminar</b>	10.00	8.00 X	8.00 X	2.00 X














**Elevator Controls Corp:** For more information, contact Francisco Ortiz at 916-482-1708 or [Francisco.Ortiz@elevatorcontrols.com](mailto:Francisco.Ortiz@elevatorcontrols.com).









	Course Title	Contact Hrs	CET	CAT	Safety
	<b>EC Factory Technical Training</b> Elevator Controls Corporation Technical Training Seminar is designed to provide helpful tips and training for both basic and advanced troubleshooting and adjustment procedures on ECC Controller, the use of on board diagnostics for error isolation and microprocessor reprogramming, outlines equipment, integration and the pitfalls to avoid between drives, motors, and how to select compatible systems to eliminate installation and maintenance headaches. Details classroom lectures backed up with vital “hands on” instruction will give you the “instant recall”, when it comes to the “real thing”. Live “EC Controllers” provided on site for demonstration as well as practice. You will be joining other qualified elevator personnel for two days of intensive Factory Technical Training at Elevator Controls Sacramento California headquarters.	16.00	X		
	<b>EC Factory Technical Training – Pixel Control System</b>	16.00	X		
	Pixel control systems		8.00 hrs		
	Pixel motor drive unit applications and adjustment for elevator performance		8.00 hrs		

**Elevator Equipment Corp:** For more information, contact Robert Alterman at 323-245-0147 Ext. 150 or [RAlterman@eecomail.com](mailto:RAlterman@eecomail.com)





	Course Title	Contact Hrs	CET	CAT	Safety
	<b>EECO Hydraulic Control Valve Training</b> This course is designed for participants to have an opportunity to comprehend the design of a hydraulic elevator control valve, understand the operation of hydraulic elevator control valves, be able to adjust a UV-5AT control valve and handle common troubleshooting issues associated with a hydraulic elevator control valve.	4.00	X	X	








**Elevator Learning Center:** For more information, contact Carl Alongis at [carl@elevatorlearningcenter.com](mailto:carl@elevatorlearningcenter.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>1-Hour Lockout/Tagout (LOTO)</b>	1.00			X
	<b>2-Hour Drug and Alcohol Awareness SST-302</b>	2.00			X
	<b>2-Hour Tool Box Talks SST-304</b>	2.00			X
	<b>4-Hour Supported Scaffold User and Refresher</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of themaximum will not be applied towards renewal)	4.00			X
	<b>8-Hour Fall Prevention SST-307</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of themaximum will not be applied towards renewal)	8.00			X
	<b>8-Hour Site Safety Manager Refresher / Chapter 33 SAF-202</b> (PLEASE NOTE:A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of themaximum will not be applied towards renewal)	8.00	X 1.5		X 5.5
	<b>Alimak SE Elevators</b>	24.00	X		
	<b>Basic Electronics &amp; Solid-State Review Course</b>	8.00	X	X	
	<b>Confined Space Entry</b>	1.00			X
	<b>EV 100 Valve Basic Training (Blaine)</b>	2.0	X	X	
	<b>Fall Protection Equipment Inspector</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of themaximum will not be applied towards renewal)	4.0			X

	<b>Injury Prevention</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	3.75			X
	<b>Installing and Troubleshooting Emergency Phone Systems</b>	2.00	X	X	
	<b>SAFE 9</b> This course will ensure field personnel have SAFE 9 ABSOLUTE FIELD GUIDE SAFE PRACTICES to drive a common approach to no go and SAFE 9 practices. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	3.50			X
	<b>Sequence of Operation I</b>	4.00	X	X	
	<b>Sequence of Operation II</b>	4.00	X	X	
	<b>Sequence of Operation I &amp; II*</b>	8.00	X	X	
	<b>Understanding/Adjusting/Troubleshooting Elevator Brakes</b>	4.00	X	X	
	<b>Understanding/Adjusting/Troubleshooting Series-15 Controllers (Claddagh)</b>	4.00	X	X	

**Elevator Safety and Technical Services (ESTS):** For more information, contact E. Chris Strawn at 850-222-3787 or [info@estsinc.net](mailto:info@estsinc.net)


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>CET Continuing Education Workshop 2018</b> This eight-hour basic course is to provide continuing education for certified elevator inspectors, which will include the following: <ul style="list-style-type: none"> <li>• Update on current local Statutes and Administrative Codes governing elevators.</li> <li>• Overview of all eight ASME A17 Codes for Elevators and Escalators.</li> <li>• Review of 2017 IBC and Florida Building Codes - changes to Elevator requirements.</li> <li>• PowerPoint presentation on the evolution of door protective devices</li> <li>• Presentation on changes to A17.1.</li> </ul>	8.00	X	X	
	<b>CET Continuing Education Workshop 2018 – Session I</b> This four-hour basic course is to provide continuing education for certified elevator inspectors, which will include the following: <ul style="list-style-type: none"> <li>• Update on current local Statutes and Administrative Codes governing elevators.</li> <li>• Overview of all eight ASME A17 Codes for Elevators and Escalators.</li> <li>• Review of 2017 IBC and Florida Building Codes - changes to Elevator requirements.</li> <li>• PowerPoint presentation on the evolution of door protective devices.</li> <li>• Presentation on changes to A17.1.</li> </ul>	4.00	X		
	<b>CET Continuing Education Workshop 2018 – Session II</b> This four-hour basic course is to provide continuing education for certified elevator inspectors, which will include the following: <ul style="list-style-type: none"> <li>• Update on current local Statutes and Administrative Codes governing elevators.</li> <li>• Overview of all eight ASME A17 Codes for Elevators and Escalators.</li> <li>• Review of 2017 IBC and Florida Building Codes - changes to Elevator requirements.</li> <li>• PowerPoint presentation on the evolution of door protective devices.</li> <li>• Presentation on changes to A17.1.</li> </ul>	4.00	X		
	<b>CET Continuing Education Workshop 2019</b> This eight-hour basic course is to provide continuing education for certified elevator inspectors, which will include the following: <ul style="list-style-type: none"> <li>• Update on current local Statutes and Administrative Codes governing elevators.</li> <li>• Overview of all eight ASME A17 Codes for Elevators and Escalators.</li> <li>• Review of 2017 Florida Building Code and 2015 IBC - changes to Elevator requirements.</li> <li>• PowerPoint presentation on the Appendixes to ASME A17.1, 2016 Edition</li> <li>• Presentation on changes in ASME A17.1, 2016 Edition</li> </ul>	8.00	X		

	<b>CET Continuing Education Workshop 2020</b> This eight-hour basic course is to provide continuing education for certified elevator technicians, which will include the following: <ul style="list-style-type: none"> <li>• update on current local Statutes and Administrative Codes governing elevators</li> <li>• overview of all eight ASME A17 Codes for Elevators and Escalators</li> <li>• Review of A17.1 requirement for Car Enclosures; including: <ul style="list-style-type: none"> <li>- Sections 2.14, 3.14, 5.2.1.14, 5.3.1.8.1, 5.7.11, and 7.2.1</li> <li>- Alteration requirements in 8.7.2.14</li> <li>- ASME Interpretations</li> <li>- A17.2 inspection requirements</li> </ul> </li> <li>• presentation on evolution of ASME A17.3 to 2015 Edition</li> <li>• presentation on National Electrical Code, NFPA-70, 2017 Edition</li> </ul>	8.00	X		
	<b>CET Continuing Education Workshop 2021</b> This eight-hour basic course is to provide continuing education for certified elevator inspectors, which will include the following: <ul style="list-style-type: none"> <li>• Update on current local and/or national Statutes and Administrative</li> <li>• Review of ASME A17.1-2019,</li> <li>• Introduction of ASME A 17.1-8.6 "Maintenance/Repair/Replacement/Testing".</li> <li>• Presentation of the latest edition of Building Codes</li> <li>• Presentation on Elevator Industry Provider/Manufacture, safety and technical bulletins and changes ongoing and/or occurring in the last 12-18 months.</li> </ul>	8.00	X		
	<b>CET Continuing Education Workshop 2022</b>	10.00	X 8hrs.	X 8hrs.	X 2hrs.
	<b>CET Continuing Education Workshop 2023*</b> This ten-hour basic course is to provide continuing education for certified elevator inspectors, which will include the following: <ul style="list-style-type: none"> <li>• Into to Codes/Standards: ASME A17/A18 Codes, NFPA 13/70/72/101</li> <li>• DLM/2-Way Communications/Re-Opening Devices</li> <li>• Residential Elevators</li> <li>• Elevator Sprinkler &amp; Fire Alarm Initiating Devices (FAID) (NFPA 13/72/101)</li> <li>• CSA B44.1:19/ASME A17.5-2019</li> <li>• Safety - Top of Car &amp; Pit Access and Safety</li> <li>• Safety - Tools</li> </ul>	10.00	X 8hrs.	X 8hrs.	X 2hrs.
	<b>Elevator Safety Instruction – 2019</b> The course will be based on gaining familiarity with the working around moving and electrical equipment based on guidelines in the Elevator Industry Field Employees' Safety Handbook (EIFESH), 2015 Edition, Section 12. Reported accidents and incidents involving elevator technicians will be pointed out to make the point.	2.00			X
	<b>Elevator Safety Instruction – 2020</b> Upon completion of this course, the participants will: <ul style="list-style-type: none"> <li>• the benefits of a company safety program</li> <li>• have a better understanding of the hazards involved in elevator work</li> <li>• be aware of specific safety guidelines in the EIFESH for material handling</li> <li>• be aware of recent changes in the EIFESH (2015 revisions) in the Section being presented</li> <li>• have been reminded of the importance of safety in the workplace, and specific safety procedures</li> </ul>	2.00			X
	<b>Elevator Safety Instruction – 2021</b> The course will be based on gaining familiarity with and working around elevator equipment with simultaneous understanding of the "nine (9) safety absolutes", based on guidelines in the Elevator Industry Field Employees' Safety Handbook (EIFESH), 2020 Edition. Additionally, each class will review/discuss safety precautions necessitated by the Covid-19 pandemic	2.00			X










**Elevator Systems:** For enrollment information, contact Glenroy Clarke at [gclarke@elevatorsystems.com](mailto:gclarke@elevatorsystems.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Understanding/Adjusting/Troubleshooting VVVF-PC Controllers</b>	4.00	X		

**Elevator U:** Contact Eddie Morris at eddiem@virginia.edu or 434-982-4659.






	Course Title	Contact Hrs	CET	CAT	Safety
	<b>2023 Annual Elevator oU Conference</b> Sessions approved are as follows:				
	➤ Vertical Transportation History	1.00	X	X	
	➤ A17.1 – 2019 Code for Door Re-opening Devices	1.00	X	X	
	➤ A17.1 – 2019 Car Emergency Signaling Devices	1.00	X	X	
	➤ Guide to Emergency Personnel	1.00			X
	➤ The Importance of Hydraulic Oil Analysis	1.00	X	X	
	➤ Elevator Safety “To Live By”	1.00			X
	➤ Elevator Pit Safety & Statistics	1.00			X
	➤ Elevator Door Safety & Costs	1.00	X	X	
	➤ Freight Elevator Safety	1.00	X		
➤ Pit Ladders & Access Safety	1.00	X			

**Elevator World:** For enrollment information call 800-730-5093 or visit [www.elevatorworld.com](http://www.elevatorworld.com)


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Maintenance Control Program and MRL Inspections</b> CD-Rom based on the <i>Maintenance on New Equipment Designs</i> book will focus on <ul style="list-style-type: none"> <li>The difference involved in working safely on legacy equipment vs. MRLs</li> <li>Elevator equipment code compliance</li> <li>Maintenance of elevator components</li> <li>Development and maintenance of current Maintenance Records</li> <li>Providing wiring diagrams</li> </ul> Implementation of monthly Fire Service Tests	1.50	X		
	<b>Rope Dynamics</b> CD-Rom that will focus on the effect of elevator hoist rope vibration on elevator ride quality and how these phenomena can be mitigated. The engineering principles and calculations used to determine where in the course of an elevator trip the rope vibration will have an adverse effect on the elevator ride quality and means to minimize and/or eliminate this effect will be presented.	1.00	X	X	
	<b>Rope Traction: Theory &amp; Practice</b> DVD course that combines both a live speaker and a Power Point program developed by George Gibson.	3.00	X	X	
	<b>Elevator Field Safety Exam #1</b> Course based on <i>The 2010 Elevator Industry Field Employee's Safety Handbook</i> , 1-4.	1.00			X
	<b>Elevator Field Safety Exam #2</b> Course based on <i>The 2010 Elevator Industry Field Employee's Safety Handbook</i> , 5-7.	1.00			X
	<b>Elevator Field Safety Exam #3</b> Course based on <i>The 2010 Elevator Industry Field Employee's Safety Handbook</i> , 8-11.	1.00			X
	<b>Elevator Field Safety Exam #4</b> Course based on <i>The 2010 Elevator Industry Field Employee's Safety Handbook</i> , 12-21.	1.00			X
	<b>The Maintenance Series</b> Courses based on the <i>Elevator Maintenance Manual</i> by Zack McCain				
	Escalator Maintenance (Chpt 5)	1.50	X		
	General Elevator Maintenance (Chpt 2)	4.50	X	X	
	Hydraulic Elevator Maintenance (Chpt 4)	2.00	X	X	
	Traction Elevator Maintenance (Chpt 3)	3.50	X		
	<b>Elevator World Articles</b> Read the article & complete the quiz at the end of article or complete the test online.				
	Vertical Equipment Maintenance* (Oct 2023)	1.00	X	X	
	Manual Release of Brakes* (Aug 2023)	1.00	X	X	
	A Versatile Solution (May 2023)	1.00	X		
	Counterweight Evolution (Feb 2022)	1.00	X	X	
	Waveforms (Dec 2022)	1.00	X	X	
	Digital Signals in Elevator Circuits (Oct 2022)	1.00	X		
	Electric Parameters (Aug 2022)	1.00	X	X	
	Inspection of Elevator Ropes, Part Two (June 2022)	1.00	X	X	

Maintenance Ahead: Reliability Centered Maintenance of Elevators – An Introduction (April 2022)	1.00	X	X	
Latest Instrumentation for Elevator Diagnostics (February 2022)	1.00	X	X	
Chains in the VT Industry (December 2021)	1.00	X	X	
Vertical Sliding Door Maintenance: A Guide to Maintaining This Peelle Equipment (October 2021)	1.00	X		
Printed Circuits: Reliability for All (August 2021)	1.00	X	X	
Rope Development and Lubrication (July 2021)	1.00	X	X	
Traction Sheave Maintenance (April 2021)	1.00	X	X	
Using a Vector Network Analyzer to Solve Difficult Elevator Problems (Feb 2021)	1.00	X	X	
Inspection of Elevator Ropes, Part One (December 2020)	1.00	X	X	
Door Reopening Devices – A Field Perspective (October 2020)	1.00	X	X	
Heat Measurements for Elevator Diagnosis (August 2020)	1.00	X	X	
3D Hoistway Door Protection (June 2020)	1.00	X		
Cybersecurity Best Practices (April 2020)	1.00	X	X	
New Electrical Test Instruments for Elevator Work (February 2020)	1.00	X	X	
Step/Skirt Performance Index Testing and Data Analysis (December 2019)	1.00	X		
Course on Ropes and Traction (October 2019)	1.00	X	X	
Traction Elevator Control Mandates (August 2019)	1.00	X	X	
Understanding Problems of Suspension Means (July 2019)	1.00	X	X	
Elevator Motor and VFD Diagnosis (June 2019)	1.00	X	X	
Motor Drive and Control (March 2019)	1.00	X	X	
Instruments for Elevator Debugging and Diagnosis (February 2019)	1.00	X		
NEC Requirements for Electric Motor Installations (August 2018)	1.00	X	X	
A17/B44 Type B Safety Stopping, Part Two- Performance in Free Fall (July 2018)	2.00	X		
Carriage Gates (June 2018)	1.00	X	X	
Maintaining and Adjusting Variable-Torque Brake Controls (May 2018)	1.00	X		
A17/B44 Type B Safety Stopping, Part One (April 2018)	2.00	X		
Traction Elevators (February 2018)	1.00	X	X	
Rectification (December 2017)	1.00	X	X	
Electronic Theorems for Design & Repair Professionals (October 2017)	1.00	X	X	
Traction for Field Personnel, Part Two (September 2017)	1.00	X	X	
Traction for Field Personnel, Part One (August 2017)	1.00	X	X	
CAN Bus for Elevators (June 2017)	1.00	X	X	
Troubleshooting Elevators (April 2017)	1.00	X	X	
Full-Cab A18.1/B355 Lifts (Feb 2017)	1.00	X	X	
Thoughts on Escalator & Moving Walk Maintenance (Dec 2016)	1.00	X		
Reading Electronic Schematics (Nov 2016)	1.00	X	X	
Making Hydraulic Elevators Heat Resilient (Sept 2016)	1.00	X	X	
Oscilloscopes Part Two (June 2016)	1.00	X	X	
Oscilloscopes Part One (May 2016)	1.00	X	X	
Servicing of Hydraulic Elevators After Flooding (April 2016)	1.00	X	X	
Maintenance Control Program Changes (March 2016)	1.00	X		
Digital & Analog Troubleshooting (February 2016)	1.00	X		
Elevator Door Force (November 2015)	2.00	X		
Working with JFETs (October 2015)	1.00	X	X	
Motor Controllers (August 2015)	1.00	X	X	
Occupant Evacuation Elevators (July 2015)	1.00	X		
Lubrication & Elevator Ropes (June 2015)	1.00	X	X	
Elevator Hoistway Doors (April 2015)	1.00	X	X	
Integrated Circuits (March 2015)	1.00	X	X	
Voltage Saps (Dips) (February 2015)	1.00	X	X	
What is a Transistor? (December 2014)	1.00	X		
MOSFETs (October 2014)	1.00	X	X	
Hidden Details of Modernization (September 2014)	1.00	X		





What is a Diode? (August 2014)	1.00	X	X	
False Car (June 2014)	1.00	X		
Common Misconceptions Regarding Elevator Traffic Simulations (April 2014)	1.00	X		
Telescopic Jacks (Dec 2013)	1.00	X		
Metal Raceways in Elevator Work (Aug 2013)	1.00	X		
Energy-Efficient VVVF Hydraulic Lift Drive (June 2013)	1.00	X		
Maintaining Elevators & Escalators in the Transit Environment (April 2013)	1.00	X		
Wet Ropes Equal Dead Ropes (Mar 2013)	1.00	X		
Elevator Motors for Elevators (Feb 2013)	1.00	X		
Maintaining Elevators & Escalators in the Transit Environment (Dec 2012)	1.00	X		
AECO Certification as Applied to a Wind-Turbine Tower Elevator (Oct 2012)	1.00	X		
LU/LA Elevators (August 2012)	1.00	X		
Constructional Stretch & Hoist-Rope Tension (July 2012)	1.00	X		
NEC Article 620: Elevators Part 2 (June 2012)	1.00	X	X	
NEC Article 620: Elevators Part 1 (April 2012)	1.00	X	X	
Freight Elevator Door Control (Feb 2012)	1.00	X		
Elevator Drives, Power Quality and Energy Savings (Dec 2011)	1.00	X		
Variable-Frequency Drive Systems for Hydraulic Elevators (Oct 2011)	1.00	X		
Hydraulic Elevators – Configuring the Power Unit, Part II (Sept 2011)	1.00	X		
Rope Dynamics (May 2011)	2.00	X		
The Conflicting Roles of the Elevator Safety Code, LEED and ADA in Elevator Renovation (May 2011)	1.00	X		
Electrically Assisted Braking Using DC Hoist Motors (Feb 2011)	2.00	X	X	
The Application of Electromechanical Spring-Set Brakes in MRL Machines (Jan 2011)	1.00	X	X	
Hydraulic Elevators - Configuring the Power Unit (Dec 2010)	1.00	X	X	
Hydraulic Elevators: Importance of Oil Cleanliness (Nov 2010)	1.00	X	X	
Safety and Buffer Testing without Weights (Sept 2010)	2.00	X	X	
Elevator System with Multiple Cars in One Hoistway (Aug 2010)	2.00	X		
Regenerative Elevator Drives: What, How and Why (June 2010)	1.00	X		
Maintenance Control Program (May 2010)	2.00	X		
Modern VVVF Drives (Feb 2010)	1.00	X	X	
KEB F5 Elevator Drives: Startup, Adjust. & Troubleshooting PM Applications (Dec 2009)	2.00	X		
Introduction to Permanent-Magnet Gearless Motors and Drive Control Systems (Nov 2009)	1.00	X	X	
Steel Wire Ropes for Tractions Elevators, Part 3 (Sept 2009)	1.00	X	X	
Steel Wire Ropes for Tractions Elevators, Part 2 (July 2009)	1.00	X	X	
Steel Wire Ropes for Tractions Elevators, Part 1 (May 2009)	1.00	X	X	
Elevator Hoistway Equipment: Mechanical & Structural Design, Part 2 (Feb 2009)	2.00	X	X	
Improving Elevator Performance by Monitoring Elevator Cab Volume (Nov 2008)	1.00	X		
Elevator Hoistway Equipment: Mechanical & Structural Design, Part 1 (Sept 2008)	2.00	X	X	
Round Traveling Cable Installation <i>and</i> Compensating Cable with a Wider Loop for Improved Balance (June 2008)	1.00	X	X	
Understanding Traction Hoist Ropes in Today's Elevator Installation (April 2008)	1.00	X	X	
Installation and Operation of the Reynolds & Reynolds UVR Powervator® (Feb 2008)	1.00	X	X	
The Perfect Drive” & “Get the Lead Out! (Dec 2007)	1.00	X		
Improving Motor Efficiency in Constant Speed Applications (Oct 2007)	1.00	X	X	
Elevator Hoisting: Maximizing Performance of Ropes in Existing <i>and</i> “Improved” High Demand-Installations (Aug 2007)	1.00	X	X	
Replacing Motor-Generator Sets with Modern Static DC Drives (June 2007)	1.00	X		
Variable Voltage Made Easy Using Print No. C-1469-A (April 2007)	3.00	X		
Installation and Adjustment of the Hollister-Whitney Rope Gripper™ (Feb 2007)	1.00	X		
North American Code & Standards	1.00	X		
Cybersecurity Best Practices	1.00	X	X	
Heat Measurements for Elevator Diagnosis	1.00	X	X	

	<b>Maintenance on New Equipment Designs Course Series</b> Is based on the <i>Maintenance on New Equipment Designs</i> book by John Koshak. The in-depth guide is designed for the service technician coming in contact with a wide range of new designs of elevator equipment including: Machine-room-less elevators, permanent magnet traction machines, friction governors, MRL blocking devices and much more. In addition, Koshak explains requirements of the Maintenance Control Program, codified in ASME A17.1, with steps that need to be taken in order to maintain compliance.	9.00	X		
	<b>Educational Focus – Volume 1</b>				
	Chapter 1: Elevator Controllers	2.00	X	X	
	Chapter 2 – Elevator Door Operators	2.00	X	X	
	Chapter 3 – Hydraulic Elevators	1.00	X	X	
	Chapter 4 – Dispatching Systems	1.00	X		
	Chapter 5 – Elevator Drive Systems & Chapter 12 – Elevator Communication	3.00	X	X	
	Chapter 6 – Door Protection Systems	1.00	X		
	Chapter 7 – Elevator Guide Rails	1.00	X	X	
	Chapter 8 – Elevator Safeties and Governors	1.00	X	X	
	Chapter 9 – Elevator Car Enclosures	1.00	X	X	
	Chapter 10 – Elevator Hoisting Machines	1.00	X	X	
	Chapter 11 – Escalators	1.00	X		
	Chapter 14 – Elevator Suspension Systems	3.00	X	X	
	Chapter 15 – Testing Equipment	1.00	X		
	Chapter 16 – Elevator Entrances	1.00	X	X	
	Chapter 18 – Freight Elevator Doors	1.00	X		
	<b>Educational Focus – Volume 2</b>				
	Section 2.1 Chapters 1-3	3.00	X	X	
	Section 2.1 Chapters 4-7	3.00	X	X	
	Section 2.2 Chapters 1-2	2.00	X	X	
	Section 2.2 Chapters 3-5	2.00	X	X	
	Section 2.2 Chapters 6-7	2.00	X	X	
	Section 2.3 Chapters 1-3	2.00	X	X	
	Section 2.4 Chapter 1	2.00	X	X	
	Section 2.4 Chapters 2-3	3.00	X	X	
	<b>Educational Focus – Volume 3</b>				
	Section 3.1 Chapters 1-2	2.00	X		
	Section 3.1 Chapters 3-4	2.00	X		
	Section 3.2 Chapters 1-4	2.00	X	X	
	Section 3.2 Chapters 5-6	1.00	X	X	
	Section 3.3 Chapters 1-2	2.00	X	X	
	Section 3.3 Chapters 3-4	2.00	X	X	
	Section 3.3 Chapters 5-6	2.00	X	X	
	Section 3.4 Chapters 1-4	3.00	X	X	
	<b>Field Employee's Testing Manual</b> This course is based on the book, <i>Field Employees' Elevator Testing Manual, 3rd Edition</i> and is a self-study course with a timed online exam.	3.00	X	X	



**Envirosafety Confined Space Safety Equipment Inc:** For more information, contact Lilian Yan at [lyan@enrifosafety.ca](mailto:lyan@enrifosafety.ca).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Fall Protection</b> This course is intended for any person that will be required to work at a height or where fall protection is necessary as per WorksafeBC Regulation, Part 11. This course combines both theory and practical training using current, approved fall protection equipment. The training includes instruction, demonstration hands-on and written exercises. Participants will use fall protection equipment, setup and work off of lifeline systems, and perform self-rescue from vertical lifelines. ( <b>PLEASE NOTE:</b> A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the max will not be applied towards renewal)	7.00			X





**ES Controls, LLC:** For more information, contact Eric Appana at [eric.appana@escontrolsllc.com](mailto:eric.appana@escontrolsllc.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Computer Networking in the Elevator Industry</b> This course is designed to help maintenance mechanics, adjustors, supervisors who need to create/troubleshoot Ethernet networks in the elevator industry.	6.00	X	X	
	<b>Maintaining the SWIFT FUTURA (Generation One) Controller</b> This course is designed to help maintenance mechanics, adjustors, supervisors install maintain the SWIFT FUTURA Generation One controller. This course will apply to the Traction and Hydro product lines.	7.00	X		
	<b>Performing CAT Testing on the SWIFT FUTURA GENERATION ONE</b> This course is designed to help maintenance mechanics, adjustors, supervisors perform Cat Testing on the SWIFT FUTURA Generation One controller. This course will apply to the Traction and Hydro product lines.	6.00	X		
	<b>Using an Oscilloscope on Elevators</b> This course is designed to help maintenance mechanics, adjustors, supervisors use an oscilloscope to troubleshoot an elevator.	6.00	X	X	

**Fire Protection Education:** For more information please visit the FPE Website at: [www.FireProtectionEducation.com](http://www.FireProtectionEducation.com).





	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Interfacing Elevator Controls with Fire Alarm &amp; Sprinkler System</b> This class will discuss and clarify specific NFPA 72 (National Fire Alarm and Signaling Code) and NFPA 13 (Standard for the Installation of Sprinkler Systems) requirements associated with these elevators, both in buildings provided with "Building Fire Alarm Systems" and those without Specific NFPA 72, NFPA 13 and ASME A 17.1 code terms, such as Dedicated Function FA System for Elevator Recall and Supervisory, Phase-I Emergency Recall Operation, Phase-II In-Car Emergency Operation, Designated and Alternate Recall levels and Shunt-Trip Function will be discussed and clarified.	7.50	X		
	<b>New Code Requirement for Fire Service Access Elevators (FSAE) &amp; Occupant Evacuation Elevators (OEE)</b> In high-rise buildings, elevators are extremely useful tools for firefighters to fight fires and rescue occupants. The main reason for developing the Fire Service Access Elevator (FSAE) was to provide firefighters with a safer and more efficient means to fight fires and rescue occupants in the upper floors of high-rise buildings. The FSAE was first required by the 2009-IBC for high-rise buildings over 120 feet in height. Occupant Evacuation Elevators were also introduced first in the 2009-IBC as an exception to the required third exit stairway for buildings over 420 feet in height The OEE are intended to be used by building occupants to evacuate the building during fire emergencies. This class will discuss the specific code requirements for the FSAE and OEE including the IBC/CBC codes and NFPA standards from the AHJ/Enforcing Agency perspective.	7.50	X		

**GAL Manufacturing Corp:** For more information contact Peter Novak at [peter@gal.com](mailto:peter@gal.com)


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Adjusting/Troubleshooting GALaxy Controllers</b> Through discussion, lecture and practice, participants will focus on the installation, adjustment and troubleshooting of GALaxy Controllers.	8.00	X		
	<b>Adjusting/Troubleshooting GALaxy Controllers – 4 Hour</b> Through discussion, lecture, and practice, participants in this course will focus on the installation, adjustment, and troubleshooting of GALaxy controllers.	4.00	X	X	
	<b>Installation Procedures for GAL Door Equipment</b> Attendees will be presented with a thorough overview of the installation process for GAL Door Equipment.	1.50	X	X	
	<b>Understanding/Adjusting/Troubleshooting GALaxy Controllers</b> Attendees will be presented with a thorough overview of issues surrounding installation and adjustment of GALaxy Controls.	1.50	X		







**Garaventa Canada, Ltd:** For more information contact James Begg at 604-594-0422 x. 1284 or james.begg@garaventlift.com


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Artira, Level III Technical Training</b> One-day seminar related to the installation, service and maintenance of Garaventa Artira lifts	8.0	X	X	
	<b>Elvoron MR, Level III Technical Training</b> One and half day seminar related to the installation, service and maintenance of Garaventa Elvoron MR lifts	11.5		X	
	<b>Genesis/OPAL, Level III Technical Training</b> One-day seminar related to the installation, service and maintenance of Garaventa Genesis and Genesis OPAL lifts	8.0	X	X	
	<b>Xpress II, Level III Technical Training</b> One-day seminar related to the installation, service and maintenance of Garaventa Xpress II lifts	8.0	X	X	

**Handicare USA:** For more information contact Micah Swick at 315-806-2181 or micah.swich@handicare.com









	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Handicare 1100 Friction Drive Stairlift Training</b> The primary objective of this course is to ensure that each participant understand how the friction drive system works and is prepared to install an 1100 Friction Drive Stairlift in the field. Secondary objectives include a basic understanding of trouble shooting any challenges he/she may encounter and familiarization with support materials.	4.5	X	X	

**HB Training & Consulting (HBTC), LLC:** For more information, contact Kevin Madison at kmadison@hbnxt.com or 770-619-1669.



	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Confined Space in Construction Competent Person Class</b> This 8-hour course is designed to meet your supervisors, foremen, estimators, and workers needs in confined space safety and the applicable OSHA standards. Introduction to OSHA ~ Review 29CFR Part 1910.134 ~ Review 29CFR Part 1910.146 ~ Review 29CFR Part 1910.147 ~ Review required PPE ~ Define the Confined Space "Team" ~ Review Confined Space "Team" Responsibility ~ Discuss Hazardous Atmospheres. <b>(PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the max will not be applied towards renewal)</b>	7.50			X
	<b>Fall Protection Competent Person Class</b> This 8-hour course is designed to meet your supervisors, foremen, estimators, and workers needs in fall protection safety and the applicable OSHA standards. Class comes with student manual and class card. Introduction to OSHA Standards ~ The "Duty" of the Employer Subpart "M" General Requirements ~ Review Standards Part 1926.500 ~ Review Standards Part 1926.501 ~ Review Standards Part 1926.502 ~ Review Standards Part 1926.503 ~ Personal Fall Arrest Systems ~ Demonstration of Fall Protection - PPE Develop and Maintain a Fall Protection Plan. <b>(PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)</b>	7.50			X
	<b>OSHA 10hr for Construction</b> This 10-hour course is designed to meet your supervisors, foremen, estimators, and workers needs in Construction Safety and the required OSHA standards. Introduction to OSHA ~ Learn to use OSHA book ~ Identify and Control Hazards. All attendees will receive an OSHA book, a student training manual, and a laminated OSHA card. <b>(PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)</b>	10.00			X
	<b>OSHA 30hr for Construction</b> This 3-4 day, 30 hour, course is designed to meet your supervisors, foremen, estimators, and workers needs in Construction Safety and the required OSHA standards. Introduction to OSHA ~ An overview of all the subparts required by OSHA ~ Protective System requirements ~ Identify and Control Hazards ~ Managing safety in the field. <b>(PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)</b>	30.00			X

	<b>Scaffold Competent Person Class</b> This 1 day, 7.5 hour course is designed to meet your supervisors, foremen, estimators and workers specific needs in scaffolding safety and the required OSHA standards. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	7.50			X
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**Hub International Limited:** For more information, contact Mark Lee at [Mark.Lee@hubinternational.com](mailto:Mark.Lee@hubinternational.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>OSHA 10 Hour Safety Course</b> This program covers Construction Safety, Electrical Hazards, Falls, Health Hazards and Hazard Communications, Personal Protective Equipment, Hand & Power Tools and Fire Protection and many other areas. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	6.00			X
	<b>Safety Training - 2013</b> The 3-hour program is intended to build skills for recognizing and preventing hazards in the workplace. The training covers four key topics, which are: fall protection, electrical hazards, personal protective equipment and hand/power tools. This program will enable employees to better recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			X
	<b>Safety Training - 2014</b> The training covers four key topics, which are: Hazard communication – Globally Harmonized System, confined spaces, and personal protective equipment. This program will enable employees to better recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			X
	<b>Safety Training - 2015</b> The training covers three key topics, which are: Fall Protection, Lockout/Tagout and Personal Protective Equipment. This program will help enable participants to recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			X
	<b>Safety Training - 2016</b> The 3-hour program is intended to build skills for recognizing and preventing hazards in the workplace. The training covers three key topics, which are: electrical safety, confined spaces, and personal protective equipment. This program will enable employees to better recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			
	Electrical Safety	1.25			X
	Confined Spaces	1.00			X
	Personal Protective Equipment	0.75			X
	<b>Safety Training - 2018</b> The 3-hour program is intended to build skills for recognizing and preventing hazards in the workplace. The training covers three key topics, which are: electrical safety, confined spaces, and personal protective equipment. This program will enable employees to better recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			X
	<b>Safety Training for Handi-Lift - 2018</b> The 3-hour program is intended to build skills for recognizing and preventing hazards in the workplace. The training covers three key topics, which are: electrical safety, confined spaces, and personal protective equipment. This program will enable employees to better recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			X
	<b>Safety Training for Accredited Home - 2019</b> The 3-hour program is intended to build skills for recognizing and preventing hazards in the workplace. The training covers three key topics, which are: electrical safety, confined spaces, and personal protective equipment. This program will enable employees to better recognize safety hazards, understand how to control the identified hazards, and reduce the risk of workplace injuries.	3.00			X










**Inclinator Company of America:** For more information, contact Mark Crispen at [Mark.Crispen@inclinator.com](mailto:Mark.Crispen@inclinator.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>2022/2020 Inclinator University</b>	23.00	X	X	
	<b>Residential Elevators &amp; Lifts 2018 (4 day)</b> This training program is to instruct how to install; service and trouble shoot Inclinator's residential elevators. Course topics include safety, service, installation, trouble shooting, basic electronics and code compliance issues.	29.25	X	X	


**Inland Northwest Inspections:** For more information, contact Duane Leopard at [duane@inlandnorthwestinspections.com](mailto:duane@inlandnorthwestinspections.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Updates and Changes to NEC 2017 and A17.3 2015</b> This course will cover the updates and changes to NEC/NFPA 70 2017 since the 2011 version as they pertain to the installation of new elevators, dumbwaiters and other modes of vertical transportation. In its second part, this class will cover the changes brought about in A17.3 2015 as they apply to Washington State.	4.00	X 4.00	X 2.00	
	<b>Changes and Updates to A17.1 Safety Standard for Elevators 2016</b> This class will cover many of the changes between 2010 and 2016 editions of the code. It will cover how to use the code and the process and scope Parts 2, 3 and 8. It will cover the changes in maintenance, new installation and alterations as they will affect Washington State and the City of Spokane. We will also cover the 2015 IBC building code as it applies to Fire Service Access Elevators and Occupant Evacuation Elevators.	4.00	X		



**KEB America, Inc.:** For more information, contact Langston Wesson at [Langston.wesson@kebameric.com](mailto:Langston.wesson@kebameric.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Common Ride Quality Adjustments 1 Hour</b>	1.00	X		
	<b>Common Troubleshooting 1 Hour</b>	1.00	X		
	<b>Start Up 1 Hour</b>	1.00	X		
	<b>Maintenance Troubleshooting 2 Hour</b>	2.00	X		
	<b>Ride Quality Adjustments 2 Hour</b>	2.00	X		
	<b>Start Up 2 Hour</b>	2.00	X		
	<b>KEB 4 Hour Training</b>	4.00	X		
	<b>KEB 8 Hour Training</b>	8.00	X		
	<b>KEB Elevator Products Training Course/ F5 Elevator Drive, R6 Line Regeneration, Combivis Software (KEB Products Training)</b> An overview of the topology of the KEB F5 Elevator driver covering the input, intermediate, and output stages. An overview of the elevator software (LED & LCD keypads), typical symptoms and solutions to identify and fix common drive problems, drive status' and fault codes, individual components contained within the F5 drive, the design of AC motors, start-up and adjustment of the KEB F5 Elevator Drive...	8.00	X		


**Kencor, Inc.**

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>OSHA Safety Course</b> (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	8.00			X











**Kentucky Employers' Mutual Insurance.:** For more information, contact Jeffrey Floyd at [jfloyd@kemi.com](mailto:jfloyd@kemi.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Fall Protection</b> The OSHA standard identifies areas or activities where fall protection is needed. It clarifies what an employer must do to provide fall protection for employees, such as identifying and evaluating fall hazards and providing training. Under the standard, employers are able to select fall protection measures compatible with the type of work being performed.	2.00			X
	<b>Scaffold Training</b> When OSHA revised its scaffolds standard in 1996, BLS studies showed that 25% of workers injured in scaffold accidents had received no scaffold safety training, and 77% of scaffolds were not equipped with guardrails. OSHA estimates that informed employers and workers, in compliance with correct safety standards, can save as many as 50 lives and prevent 4,500 accidents every year. In a recent BLS study, 72 percent of workers injured in scaffold accidents attributed the accident either to the planking or support giving way, or to the employee slipping or being struck by a falling object.	2.00			X


**Kings III Communication:** For more information, contact Katie Thomas at [kthomas@kingsiii.com](mailto:kthomas@kingsiii.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Two Way Communication Codes &amp; Requirements</b> The course will help participants to understand the relevant codes and requirements for elevator emergency communication. Major course topics will include: How to test for elevator phone compliance; What the codes require; Common installation mistakes; Answering elevator phone calls; Phone line verification. Information included will be derived from ASME codes, ADA laws, and interviews with consultants and industry experiences.	2.00	X	X	



**Koshak, John W:** For more information, contact John Koshak at [john@elvssl.com](mailto:john@elvssl.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>ASME A17.3-2015 Training Course</b> The 8-hour course will cover the code requirements of A17.3-2005, Safety Code for Existing Elevators and Escalators.	8.00	X	X	
	<b>ASME A17.1 Code Update &amp; LU/LA Training Course</b> The 8-hour course will cover the code requirements of A17.1 and LU/LA.	8.00	X		
	<b>ASME A18.1 Code Update</b> The 1-hour course will cover the code requirements of A18.1.	1.00	X	X	
	<b>Code Education 2016 – A17.1/B44</b> The 8-hour course will cover the code requirements of A17.1/B44.	8.00	X		
	<b>Code Education 2013 – A17.1/B44</b> Session will discuss the changes in A17.1 2010 and A17.1 2013 number in the hundreds. The class details many of the major changes and touches on the minor changes.	4.00	X		
	<b>Code Update 2019</b> This course will discuss the changes from A17.1-2016/B44-16 to A17.1-2019/B44-19. The class details many of the major changes and touches on the minor changes.	8.00	X	X	
	<b>Elevator Personnel Continuing Education 2018</b> This ten-hour workshop is to provide continuing education for certified elevator personnel. The course will include update on current local Statutes and Administrative Rules governing elevators, overview of all eight ASME A17 Codes for Elevators and Escalators, and technical content related to Maintenance, and Component Training as detailed below using instructional PowerPoint presentations.	10.00	X		
	<b>Hoistway Doors Force</b> This course explains the design requirements A17.1 requires for Hoistway Doors and Entrances.	2.00	X	X	
	<b>Horizontal Door Closing Force</b> This course explains the door closing force requirements of A17.1/B44. It emphasizes the importance of compliance and how to adjust common types of door operator systems.	2.00	X	X	
	<b>Solid State Motor Drive History &amp; Theory</b> Session will discuss basic electricity theory, magnet energy, and motor theory; motor control of elevators and evolution of solid state motor controllers.	4.00	X	X	


**Magnetek:** For more information, contact Tony Frey at [tfrey@magnetek.com](mailto:tfrey@magnetek.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Elevator Drive Technology Seminar</b> Session covers the following topics: <ul style="list-style-type: none"> <li>▪ Current and new elevator drive technology.</li> <li>▪ Making informed decisions when planning new or upgrading existing elevator installations.</li> <li>▪ The latest in the state-of-the-art elevator drive technology.</li> <li>▪ The advantages and disadvantages of this new technology.</li> <li>▪ Elevator drive applications including power line harmonics, emergency generators, energy consumption and battery back-up systems.</li> </ul>	2.00	X		


**Maxton Manufacturing:** For more information, contact Irene Muller at [irene@maxtonvalve.com](mailto:irene@maxtonvalve.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Maxton Hydraulic Control Valve Training</b> Participants will gain a better understanding on how to determine the proper valve for the job; how variables such as temperature, contamination and pressure effect the control valve and overall elevator performance; proper maintenance practices; proper valve adjustment	4.00	X	X	
	<b>Solving Heat &amp; Contamination Impacts on Valve Operations</b> The learning objectives include: <ul style="list-style-type: none"> <li>• Understand how to identify/assess heat and contamination variables</li> <li>• What solutions are available and most effective</li> <li>• How to choose best solutions for said variables resulting in optimal valve performance for each unique situation</li> </ul>	1.00	X	X	



**Medic First Aid:** For more information, visit [http://hsi.com/MEDIC\\_programs/](http://hsi.com/MEDIC_programs/)



	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Basic CPR and First Aid for Adults</b> Combined Adult CPR and First Aid training program designed specifically for the occupational first aid provider. This program helps employers meet OSHA and other federal and state regulatory requirements for training employees how to respond and care for medical emergencies at work. <b>(PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)</b>	4.00			X

**James Meyer Consulting, Inc.:** For more information, contact James Meyer at [meyerconsulting@verizon.net](mailto:meyerconsulting@verizon.net).


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>California Elevator Regulations Seminar as They Exist Today &amp; Proposals for the Future</b> Emphasis on Development of Regulations, Latest Adopted Conveyance Regulations, Special Focus on Limited Use/Limited Access Elevators & A18 Equipment (1-day seminar)	8.00	X	X	

**Motion Control Engineering (MCE):** For more information, contact Andrea Hart at 916-463-9491 or [Andrea.hart@nidec-mce.com](mailto:Andrea.hart@nidec-mce.com)


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>iControl Installation, Adjustment &amp; Troubleshooting</b> A 2-day seminar designed to educate elevator consultants, mechanics, adjusters and maintenance technicians to effectively set up, install and troubleshoot MCE's iControl elevator control systems. Major course topics include installation; adjustment; best practices; diagnostics; system troubleshooting; component design and failure analysis. The course material is based on the installation manuals for the iDC and iAC control products used for geared and gearless traction machine applications. The training course includes both lecture and hands-on instruction with real controllers in a lab environment.	15.00	X		
	<b>Destination Based Dispatching</b> Provide practical training on Motion Control Engineering's Destination Based Dispatching system through theory, case studies, discussions, and hands-on lab exercises.	7.50	X		

	<b>Motion 2000/4000 – Installation, Maintenance &amp; Troubleshooting</b> A 2-day seminar designed to educate elevator consultants, mechanics, adjusters and maintenance technicians to effectively set up, install and troubleshoot MCE's Motion 2000/4000 elevator control systems. Major course topics include installation; adjustment; best practices; diagnostics; system troubleshooting; component design and failure analysis. The course material is based on the installation manuals for the Motion 2000/4000 control products used for geared and gearless traction machine applications. The training course includes both lecture and hands-on instruction with real controllers in a laboratory environment.	14.50	X		
	<b>MCE Legacy Equipment: IMC/PTC/VVMC/HMC - Maintenance &amp; Troubleshooting</b> A 2-day seminar designed to educate elevator consultants, mechanics, adjusters and maintenance technicians to effectively set up, install and troubleshoot MCE's Legacy elevator control systems. Major course topics include installation; adjustment; best practices; diagnostics; system troubleshooting; component design and failure analysis. The course material is based on the installation manuals for the IMC (AC & DC), VVMC 1000 (AC & DC), HMC 1000 (hydraulic) control products used for geared and gearless traction machine applications. The training course includes both lecture and hands-on instruction with real controllers in a laboratory environment.	14.00	X		

**Mowrey Elevator Co:** For more information, contact Dan Redmond at 850-526-4111 or dan@mowreyelevator.com.






	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Continuing Education Course, MTC-003:</b> This course has been designed to keep elevator mechanics current & informed so they can safely & competently perform their duties. It contains technical and safety instruction that is relevant to elevator construction, alteration, modification, repair & maintenance. It reviews current practices and provides an overview of recent changes to the various codes and regulations.	8.00	X 6 hrs	X 6 hrs	X 2 hrs









**Mustari, Carl J.:** For more information, contact Carl Mustari at 404-450-9463 or cmustari@ctmcic.com


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Fall Protection for Elevator Technicians</b>	3.00			X

**NAESA International:** For information call 360-292-4968 or visit www.naesai.org



**\*Only live webinars are approved, the \* items do NOT include on-demand.**

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>A17.1-2016 with A117.1 2009 or 2017 Webinar (5.0 hours) *</b> The training course is set up to highlight the A17.1 2016 Elevator escalator safety code. We will review many of the more relevant changes from the 2013 code that affect your daily process of maintenance and inspection. Followed by a complete review of ANSi A117.1-2009 Standard for accessible use. Our focus in this class will be passenger elevators and the relevant requirements set in motion by A117.1. We will also cover the relevant updates to the 2017 version.	5.00	X 5 hrs	X 2 hrs	
	<b>A17.1-2016 (2019) Webinar (5.0 hours) *</b> The training course is a detailed study of the changes of the 2013 to the 2016 A17.1 code. One will take note that the 2016 has several changes in in regarding safety of not only the public but also safety of elevator personnel. Some notable changes are in the areas of Buffers, Emergency power, Hydraulic Phase one and two operation, On-site documentation and Seismic.	5.00	X		
	<b>5 Hour Webinar with A117.1 &amp; A17.7 * *</b> This class is, in part, an update showing new changes between the 2009 and 2017 accessibility requirements on a passenger elevator. This is not a code update class; rather, it is an explanation of the A17.7	5.00	X	X	
	<b>NAESA QEI Training Program</b> Seminars are being offered on various dates and locations.	32.00	X	X	
	<b>2023 NAESA 2-Hour Code Update workshop</b> Hall & Car calls, Destination Dispatch ICC A117.1 & IBC or NBCC & A17.1	2.00	X	X	


	Course Title	Contact Hrs	CET	CAT	Safety
	<b>2023 NAESA 2-Hour Code Update workshop</b> ASME – Fire Service Access Elevator	2.00	X	X	
	<b>2023 NAESA 5-Hour Code Update workshop</b> 2016 ASME A17.1	5.00	X	X	
	<b>2023 NAESA 10-Hour Code Update</b> Sessions approved are as follows: <ul style="list-style-type: none"> <li>➤ 2020 Elevator Industry Field Employee Safety Handbook</li> <li>➤ ASME A17.3 2020</li> <li>➤ ASME A18.1 2020</li> <li>➤ IBC 2021</li> <li>➤ ASME A17.1-8.11.2</li> <li>➤ ASME – Fire Service Access Elevator</li> </ul>	10.00	X		
	<b>2023 NAESA 8-Hour Code Update</b> Sessions approved are as follows: <ul style="list-style-type: none"> <li>➤ 2020 Elevator Industry Field Employee Safety Handbook</li> <li>➤ ASME A17.3 2020</li> <li>➤ ASME A18.1 2020</li> <li>➤ IBC 2021</li> <li>➤ ASME A17.1-8.11.2</li> </ul>	8.00	X		
	<b>NAESA QEI Training Program</b> Seminars are being offered on various dates and locations.	32.00	X	X	
	<b>2023 NAESA Wisconsin 12-Hour Code Update</b> Sessions approved are as follows: <ul style="list-style-type: none"> <li>➤ Elevator Pit Safety &amp; Statistics: 1 hour Safety</li> <li>➤ History of the ASME A17 Elevator &amp; Escalator Standards: 1 hour CAT/CET</li> <li>➤ 2020 EIFESH, LOTO 7.1 0.50 hour Safety</li> <li>➤ Wisconsin Updates: 1.50 hour for CET/CAT</li> <li>➤ 3300 Inspection &amp; Testing Procedures: 1 hour CET</li> <li>➤ International Building Code-2021: 2 hours CET/CAT</li> <li>➤ 1.5 Years After Adoption: 1hour CET/CAT</li> <li>➤ 2020 EIFESH, Jumpers, 6.1: 0.50 hour Safety</li> <li>➤ Voice Video Test Requirements for Elevator Emergency Communication: 1 hour CET/CAT</li> </ul>	12.0	X 7.5 hrs	X 6.5 hrs	X 2 hr
	<b>2023 Central Spring Workshop 2023*</b> <ul style="list-style-type: none"> <li>• GEN2 Unique Procedures</li> <li>• Incline Elevators</li> <li>• Changes to the Elevator Door Protection Requirements in North America</li> <li>• Voice/Video/Text Emergency Elevator Communication</li> <li>• Future Proofing Your Telephony: Cellular Explained</li> <li>• Vertical Transportation Applications for Accessibility</li> <li>• Review of ASME A17.8</li> <li>• 2020 EIFESH – 6.1 Jumpers</li> <li>• Elevator Legal Matters</li> <li>• 2020 EIFESH – 7.1 Lockout Tagout</li> </ul>	10.00	X 9.5 hrs	X 5.5 hrs	X 0.5 hr
	<b>2023 Eastern Spring Workshop 2023*</b> <ul style="list-style-type: none"> <li>• ASME A17.1/CSA B44-19 Emergency Communication</li> <li>• State of PA Updates</li> <li>• Code for the three D door detectors 2.13.5 and corresponding Item 1.1</li> <li>• Hoistway Safety: Working from False Cars and Temporary Work Platforms</li> <li>• State of Delaware Updates</li> <li>• KONE products</li> <li>• Elevator Door Safety</li> <li>• Changes to the Elevator Door Protection Requirements in North America</li> <li>• Elevator Industry Field Employee Safety Handbook, Sections 4.0 and 5.1</li> </ul>	10.00	X 8.0 hrs	X 6.0 hrs	X 2.0 hrs

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>2023 Western Spring Workshop 2023*</b> <ul style="list-style-type: none"> <li>ASME Standards in the state of Nevada</li> <li>Nevada Specific Elevator Regulations</li> <li>ASME A17.1 Inclined Lifts</li> <li>International Building Code Review – An in depth look at the relationship between the Building Code, ANSI A117.1 and ASME A17.1</li> <li>The Requirements of ICC A117.1-2017 and its applicability to ASME A17.1</li> <li>New EOX Elevator Testing and Inspection Procedures</li> <li>Voice Video Test Requirements for Elevator Emergency Communication</li> <li>Changes to Elevator Door Protection in ASME A17.1</li> <li>NFPA 70-2023 Code Changes</li> <li>3300 Inspection and Testing Procedures</li> </ul>	10.00	X 10.0 hrs	X 1.0 hrs	





**OSHA Outreach Training Programs:** For more information, visit [www.outreachtrainers.org](http://www.outreachtrainers.org)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>OSHA 10 Construction</b> The 10-hour Construction Industry Outreach Training Program is intended to provide an entry level construction workers general awareness on recognizing and preventing hazards on a construction site. The training covers a variety of construction safety and health hazards which a worker may encounter at a construction site. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	10.00			X
	<b>OSHA 30 Construction</b> The 30-hour Construction Outreach Training Program is intended to provide a variety of training to workers with some safety responsibility. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	30.00			X




**Oracle Elevator:** For more information, contact Keith Evans at [keith.evans@efsteam.com](mailto:keith.evans@efsteam.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Print Reading Class Unit 1 – Virginia Controls</b>	8.00	X		


**Performance Learning Solution:** For more information, contact James Ganley at [jganley@plstrains.com](mailto:jganley@plstrains.com) or 217-423-3541

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Basic First Aid, CPR &amp; AED for Adults</b> American Red Cross developed & sponsored program trains participants to recognize and care for life-threatening respiratory or cardiac emergencies in adults and provides the knowledge and skills needed to care for injury or sudden illness until professional medical help arrives. This comprehensive course meets training guidelines for first aid programs established by OSHA. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	8.00			X
	<b>Bloodborne Pathogens Training</b> Program trains and provides individual with an understanding of the intent of the bloodborne pathogens regulation issued by OSHA; how bloodborne pathogens are spread; how to help prevent exposure incidents by following work practice controls, using engineering controls and personal protective equipment, practicing good personal hygiene and properly cleaning and disinfecting equipment and supplies; and to recognize, report and follow up on employee exposures to infectious materials. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	2.00			X
	<b>Confined Space Entry &amp; Non-entry Rescue</b> This course is designed to provide program participants with the knowledge to effectively recognize and evaluate those hazards associated with permit and non-permit required confined spaces. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	4.00			X
	<b>Confined Space Rescue</b> This course is specifically designed for those persons responsible for making entry rescues within confined spaces. (PLEASE NOTE: A maximum of 3 contact hrs in safety	8.00			X




	Course Title	Contact Hrs	CET	CAT	Safety
	will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )				
	<b>Electrical Safety and NFPA 70E</b> This one day course defines the requirements for work practices that workers should use to avoid injury from a release of energy when performing tasks involving electricity. This course enable participants to prevent or minimize exposure to widely recognized electrical hazards as well as to better understand the importance of the relationship between OSHA and NFPA 70E. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	8.00			X
	<b>Fall Protection Training</b> To help reduce the significant number of workplace injuries and fatalities related to falling on the job, this program instructs participants on acceptable fall protection practices and safety measures.	2.00			X
	<b>OSHA 10-hour General Industry Outreach</b> This course will introduce participants to a variety of OSHA policies, procedures and standards as well as general industry safety and health principles covered by OSHA. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	10.00			X


**Pincus Elevator Co.:** For more information, contact Brian Doran at [bdoran@pincuselevator.com](mailto:bdoran@pincuselevator.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Qualified Signal Person &amp; Qualified Rigger</b>	2.00			X



**Praxiom Risk Management:** For more information, contact John Conrad, Jr. at [jconrad@praxiom-rm.com](mailto:jconrad@praxiom-rm.com) or 888-350-7729.

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Hazard Communication</b>	1.00			X



**Premier Elevator:** For more information, contact Keith Evans at [keithevans@premier-elevator.com](mailto:keithevans@premier-elevator.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Control of Hazardous Energy</b>	1.00			X



**Qualified Elevator Inspector Training Fund (QEITF):** For more information, contact Eric Rogers at [erogers@eiwpcf.org](mailto:erogers@eiwpcf.org)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>QEITF Elevator Safety Code Review</b>	8.00	X		
	<b>QEITF 2023-24 Elevator Safety Code Review*</b>	8.00	6.50 X		















**Roy Kennedy:** For more information, contact Roy Kennedy at [rkck4@yahoo.com](mailto:rkck4@yahoo.com).

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Hydraulic Elevator Valve Adjusting and Troubleshooting</b>	8.00	X 6.5 hrs		
	<b>Hydraulic Elevator Valve Adjusting and Troubleshooting "B"</b>	4.0	X		



**Safety Resources LLC:** For more information, Charles Northam at [ctnortham@safetyresourcesllc.com](mailto:ctnortham@safetyresourcesllc.com) or 410-742-7233.

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Crane Rigging &amp; Signaling</b> This course reviews the applicable OSHA regulations on material handling. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	7.00			X
	<b>Medic First Aid</b> This course is a fundamental training program in emergency care. CPR and other important emergency care skills are combined into a single course. (PLEASE NOTE: A maximum of 3 contact hrs in safety will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal )	8.00			X



**Savaria:** For more information, Todd Parker at [tparker@savaria.com](mailto:tparker@savaria.com) or 800-661-5112.

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Delta Installation &amp; Troubleshooting</b>	3.00	X	X	
	<b>Eclipse Installation &amp; Troubleshooting</b>	8.00	X	X	
	<b>Eclipse Residential Elevator Installation &amp; Troubleshooting</b>	27.50	X	X	
	<b>Incline Platform Lift &amp; Stairlift Installation &amp; Troubleshooting</b>	27.50	X	X	
	<b>Infinity Residential Elevator</b>	8.00	X	X	
	<b>Infinity Residential Elevator Installation &amp; Troubleshooting</b>	27.50	X	X	
	<b>K2 Installation &amp; Troubleshooting</b>	3.00	X	X	
	<b>Multilift Vertical Platform Lift</b>	4.00	X	X	
	<b>Online Training and Troubleshooting for the Omega Incline Platform Lift</b>	3.50	X	X	
	<b>Orion Commercial LU/LA Elevator Installation &amp; Troubleshooting</b>	27.50	X	X	
	<b>Orion Installation &amp; Troubleshooting</b>	9.00	X	X	
	<b>Stairfriend Installation &amp; Troubleshooting</b>	3.00	X	X	
	<b>Telecab Installation &amp; Troubleshooting</b>	5.00	X	X	
	<b>Troubleshooting &amp; Safety – Outside</b>	11.00	X 10 hrs	X 10 hrs	X 1.0 hr
	<b>V-1504 Vertical Platform Lift</b>	5.00	X	X	
	<b>Vertical Platform Lift Installation &amp; Troubleshooting</b>	27.50	X	X	



**Schindler Elevator Corporation:** For more information, contact Dave Vanderpool at [dave.vanderpool@schindler.com](mailto:dave.vanderpool@schindler.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>4 Station, Safety Training</b>	4.00			X
	<b>Stand Up for Safety</b>	3.00			X






**Schroll, Edgar:** For more information, contact Edgar Schroll at [ewschroll@gmail.com](mailto:ewschroll@gmail.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Electron Flow &amp; Solid-State Devices</b> The session focus is the relationship between electron flow and solid-state devices.	VARIED	X 5.5 hr	X 4.0 hr	X 1.5 hr
	<b>The Relationship Between Resistance and Current</b> The session focus is the relationship between resistance & current and electrical safety.	VARIED	X 6.5 hrs		X 1.5 hr




**Smartrise Engineering Inc.:** For more information, contact Juliette Burns at [support@smartrise.us](mailto:support@smartrise.us)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Smartrise Engineering Technical Training – 8 hour</b> Attendees will learn about the Smartrise Elevator Control System architecture as well as how to install, troubleshoot, test and maintain the system at this one-day seminar.	8.00	X		
	<b>Smartrise Engineering Technical Training – 4 hour</b> Attendees will learn about the Smartrise Elevator Control System architecture as well as how to install, troubleshoot, test and maintain the system at this one-day seminar.	4.00	X		



**Stannah Starlifts, Inc:** For more information, contact Ryan Schneider at [ryan\\_schneider@stannah.com](mailto:ryan_schneider@stannah.com) or 508-520-7878.

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Installing Servicing and Faultfinding the Stannah 420 Hinge</b> By the end of the course students should be able to: <ul style="list-style-type: none"> <li>• Install the new 420 hinged rail</li> <li>• Carry out carriage preparation</li> <li>• Carry out servicing schedule</li> <li>• Fault find on the 420</li> <li>• Carry out repair work as detailed in the service work methods</li> </ul>	7.00		X	
	<b>Installing Servicing and Faultfinding the Stannah 260</b> By the end of the course students should be able to: <ul style="list-style-type: none"> <li>• Install the 260 Stairlift</li> <li>• Carry out servicing schedule</li> <li>• Fault find on Model 260 Stairlift</li> <li>• Carry out repair work as detailed in the service work methods</li> </ul>	7.00		X	
	<b>Installing Servicing and Faultfinding the Stannah 420</b> By the end of the course students should be able to: <ul style="list-style-type: none"> <li>• Install the new 420 standard rail</li> <li>• Have a basic understanding of schematics, and electrical meter usage.</li> <li>• Carry out routine servicing on the 420</li> <li>• Fault find on the 420</li> <li>• Carry out repair work as detailed in the service work methods</li> </ul>	7.00		X	
	<b>Installing Servicing and Faultfinding the Stannah 600 Retractable Rail</b> By the end of the course students should be able to: <ul style="list-style-type: none"> <li>• Install the new 600 Retractable rail</li> <li>• Carry out carriage preparation</li> <li>• Carry out servicing schedule</li> <li>• Fault find on the 600</li> <li>• Carry out repair work as detailed in the service work methods</li> </ul>	6.75	X	X	
	<b>Installing Servicing and Faultfinding the Stannah 600 Rail</b> By the end of the course students should be able to: <ul style="list-style-type: none"> <li>• Install the new 600 Standard rail</li> <li>• Have a basic understanding of schematics &amp; electrical meter usage</li> <li>• Carry out routine servicing on the 600 Stairlift</li> <li>• Fault find on the 600</li> <li>• Carry out repair work as detailed in the service work methods</li> </ul>	6.75	X	X	


**Staying Home Corporation:** For more information, contact Michael Vogt at [mikev@stayinghome.com](mailto:mikev@stayinghome.com) or 816-380-1080

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Residential Elevator &amp; Dumbwaiter School</b> Service school for the installation and troubleshooting of elevators, dumbwaiters manufactured by Staying Home				
	➤ Installation of Elevators	3.75	X	X	
	➤ Completing the Install	2.75	X	X	
	➤ Trouble Shooting	1.00	X	X	
	➤ Installation- Shafted Elevator	3.75	X	X	
	➤ Elevator Test	1.00	X	X	
	➤ Dumbwaiter	2.75	X	X	
	<b>Staying Home Corporation Stairway Lift School</b> Service school for the installation and troubleshooting of Stairwaylifts manufactured by Staying Home	3.75	X	X	
	<b>Staying Home Corporation Vertical Platform Lift School</b> Service school for the installation and troubleshooting of vertical platform lifts manufactured by Staying Home	7.50	X 6.25 hr	X 7.5 hr	





**Stiltz Inc:** For more information, contact Jerome Phillips at [jerome.phillips@stiltzlifts.com](mailto:jerome.phillips@stiltzlifts.com)

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Stiltz Home Lift Installation/ Advanced Troubleshooting Training Course</b> The Stiltz Home Lit Training Course will provide a hands-on approach to cover the full installation, pre turn-over checks, post installation routine maintenance, and fault troubleshooting of the Stiltz Home Lift Residential Lift/Elevator product line. All instruction shall have a foundation based upon the ASME A17 and A18 Codes respectfully	14.00	X	X	
	<b>Stiltz Home Lift Installation/ Advanced Troubleshooting Training Course</b> The Stiltz Home Lit Training Course will provide a hands-on approach to cover the full installation, pre turn-over checks, post installation routine maintenance, and fault troubleshooting of the Stiltz Home Lift Residential Lift/Elevator product line.	21.00	X	X	


**Thyssenkrupp Elevator:** For more information, contact Mashell Skinner-Newton at [mashell.newton@thyssenkrupp.com](mailto:mashell.newton@thyssenkrupp.com) or 972-471-8448

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>ICON32 Training</b> This course covers the ICON32 system including the ICON32 controller, CAN operations prints, startup and adjustments, door operator, and I2/I3 Valve.	18.25	X		





**Vertical Transportation Education Center:** For more information, contact Shannon Boudreaux at [sboudreaux.emr@att.net](mailto:sboudreaux.emr@att.net) or 504-729-2909.

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Certified Elevator Technician – 2020 Education Seminar</b> This seminar will focus mainly on the aspects regarding Final Acceptance, CAT 1 and CAT 5 testing on electric and hydraulic elevators, Electrical Safety, General Bode Rules from ASME A17.1 2010 Edition, and General code Rules from ASME A17.2-2012.	8.0	X		
	<b>Safety Education 2020</b> This seminar will focus mainly on the aspects regarding items discussed in the Field Employee's Safety Handbook, 2015.	2.00			X
	<b>Certified Elevator Technician – Continuing Education Seminar 2023*</b> Focus mainly on the aspects regarding the Safety Code for Existing Elevators and Escalators from ASME A 17.3-2011 and The Guide for Emergency Personnel including evacuation and Firefighter's Service Operation procedures from A 17.4-2015	8.00	X		
	<b>Safety Education 2023</b> Focus mainly on the aspects of the Field Employee's Safety Handbook, regarding Sections 3-7.	2.00			X


**Victaulic:** For more information, contact Peter Barnes at Peter.Barnes@victaulic.com or 248-240-7179

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Grooved Mechanical Piping for Hydraulic Elevators</b> This session is an overview and hands on demonstration of the different types of grooved couplings (flexible and rigid), proper gasket selection, correct installation techniques for Victaulic grooved pipe couplings, and roll grooving for pipe.	2.00	X		


**Virginia Controls:** For more information, contact Tom Reamsnyder at tom.reamsnyder@vacontrols.com or 804-225-5530

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>AS2H- Vision 2.0 Hydraulic Controller Elevator Training</b> To provide an understanding of the systems & components of the Vision 2.0 controller, and the related machine & field devices connected to it, which in total form an elevator system. To provide procedures for installing and trouble-shooting the Vision controller in the most efficient manner, using the schematics & manuals supplied by VCI.	8.00	X 8.0 hr	X 4.0 hr	
	<b>MVFCL Traction Elevator Controller Training</b> The objective of the session is to provide an understanding of the components of the MVFCL controller and the related machine and field devices connect to it that form an elevator system. To provide a procedure for installing and troubleshooting an MVFCL controller in the most efficient manner by using the schematics and manuals supplied.	7.00	X		
	<b>Safe Elevator Operation with Serial I/O</b> Serial I/O control methods applied to elevator operation has the ability to simplify and speed elevator installation. Done correctly, these methods can meet the expectations of the public and our industry for elevator safety and reliability. This presentation seeks to identify some of the boundaries contained in the elevator safety code and some of the limits within the technology itself, that the elevator specialist may encounter in the application of Serial I/O.	1.00	X		
	<b>VSH – Vision Hydraulic Elevator Controller</b> To provide an understanding of the systems & components of the VSH controller and the related machine and field devices connected to it, which in total form an elevator system. To provide a procedure for installing and trouble-shooting a VSH controller in the most efficient manner by using the schematics and manuals supplied VCI.	8.00	X		

**Waupaca Elevator Company:** For more information, contact 800-238-8739 or rrice@waupacaelevator.com

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>Service and Installation Technical Training</b> Principles and methods of installing & maintaining Waupaca Elevator residential elevators and dumbwaiters are taught in this course. Course topics include safety, service, installation, troubleshooting, basic hydraulics, basic electronics and code compliance. The course combines a classroom and lab approach to facilitate the application of topics presented and discussed.	19.00	X	X	

**Wurtec Inc:** For more information, contact Tim Lykowski at tim.lykowski@wurtec.com

	Course Title	Contact Hrs	CET	CAT	Safety
	<b>False Car System</b> This session will discuss the false car, preparation, installation, final tips and checks and maintenance & repair.	4.00	X		

**\*Course is also approved for NAEC QEI\***