





NAEC Approved Continuing Education

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.

	Text Based	Courses that are completed by reading or studying a book. Text-based courses have an exam which may be online.
	Web Based / Computer Based	Courses that are completed online or delivered via CD ROM
	Seminar/Classroom	
	Article Based	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 Kathy Bell at 800-900-6232 or visit www.naec.org

	Course Title	Contact Hrs	CET	CAT	Safety
	DC Drives Course based on <i>Electronic Variable Speed Drives (Delmar)</i> , 3 rd Edition, Chapters 1-8, by Michael Brumbach. (Book available through Elevator World)	4.00	X		
	AC Drives Course based on <i>Electronic Variable Speed Drives (Delmar)</i> , 3 rd Edition, Chapters 10-15, by Michael Brumbach. (Book available through Elevator World)	4.50	X		
	Device Review Course based on <i>Electronic Variable Speed Drives (Delmar)</i> , 3 rd Edition, Appendix A-E, by Michael Brumbach. (Book available through Elevator World)	2.50	X		
	AC Circuits AEEAC An interactive training unit designed to familiarize trainees with basic concepts associated with the operation of AC circuits.	2.25	X	X	
	AC Motor Controllers 1 AEEA1 An interactive training unit designed to familiarize trainees with the basic functions and operation of AC motor controllers.	2.25	X	X	
	AC Motor Controllers 2 AEEA2 An interactive training unit designed to familiarize trainees with basic procedures for troubleshooting and maintaining AC motor controllers.	2.50	X	X	
	Arc Welding AEEDC An interactive training unit designed to familiarize trainees with the basic concepts associated with arc welding.	2.75	X	X	
	Basic Electricity Review AEBER An interactive training unit designed to familiarize trainees with some of the basic principles associated with electricity and electrical circuits.	2.25	X	X	
	Basic Hydraulic & Maintenance Valves 1 AHHV1 An interactive training unit designed to familiarize students with the basic design and operation of various types of valves used in hydraulic systems.	1.75	X	X	
	Basic Lifting AMRLL An interactive training unit designed to familiarize trainees with the proper use of devices designed to lift and move loads.	2.25	X	X	
	Basic Rigging AMROV An interactive training unit designed to familiarize trainees with the basic principles associated with moving materials and equipment from one place to another.	2.00	X	X	
	Bearings – Fundamentals AMBIN An interactive training unit designed to familiarize trainees with the basic operation and maintenance of bearings.	2.00	X		
	Bearings - Rolling Contact AMBRM An interactive training unit designed to familiarize trainees with the basic operation and maintenance of rolling contact bearings.	2.75	X		



	Course Title	Contact Hrs	CET	CAT	Safety
☞	Bearings - Sliding Surface AMBSB An interactive training unit designed to familiarize trainees with the basic operation and maintenance of sliding surface bearings.	2.25	X		
☞	Branch Circuit Protection AEEMB An interactive training unit designed to familiarize trainees with the basic operation and maintenance of motor branch circuits.	2.25	X	X	
☞	Cables & Conductors AEECC An interactive training unit designed to familiarize trainees with the basic construction and installation of electrical cables and conductors.	3.25	X	X	
☞	Chemical Health Hazards AMSHS An interactive training unit designed to familiarize trainees with chemical health hazards that might be present in the workplace.	1.75			X
☞	Conduit Installation AEECI An interactive training unit designed to familiarize trainees with the basic concepts of conduit and conduit fittings, and typical methods of cutting, bending and installing conduit.	2.50	X	X	
☞	DC Motors AEEDM An interactive training unit designed to familiarize trainees with the basic operation and maintenance of DC Motors.	2.00	X	X	
☞	Electrical Diagrams AEDEL An interactive training unit designed to familiarize trainees with various types of electrical diagrams.	2.50	X	X	
☞	Electrical Fasteners AEEFA An interactive training unit designed to familiarize trainees with various types of fasteners used in electrical work.	2.25	X	X	
☞	Electrical Safety AMSEL An interactive training unit designed to give trainees a general understanding of basic principles of electricity and electrical safety.	2.00			X
☞	EMS Freight Door Installation EXAMBUILDER 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		
☞	Fasteners AMMFA An interactive training unit designed to familiarize trainees with various types of fasteners.	2.00	X	X	
☞	Gears - Types & Characteristics AMGG2 An interactive training unit designed to introduce trainees to gears and gear arrangements	2.00	X		
☞	Heavy Lifting AMRHL An interactive training unit designed to familiarize trainees with equipment and procedures used for lifting and moving heavy objects.	2.50	X	X	
☞	Hydraulic Component Inspection & Replacement AHHCI An interactive training unit designed to familiarize students with typical procedures for removing, inspecting, reassembling, and reinstalling hydraulic system components.	2.25	X	X	
☞	Hydraulic - Fluids & Reservoirs AHHFS An interactive training unit designed to familiarize trainees with the fluid used in hydraulic systems and with the functions and uses of filters and strainers, reservoirs, conductors, and accumulators.	2.00	X	X	
☞	Hydraulic Principles & Circuits AHHPC An interactive training unit designed to familiarize trainees with the principles of hydraulic system operation and with the components and operation of some typical hydraulic circuits.	2.00	X	X	
☞	Industrial Safety Basics AMSBA An interactive training unit designed to familiarize trainees with hazards that they may encounter on the job and ways that they can protect themselves from these hazards.	1.75			X
☞	Introduction to NEC AEEIN An interactive training unit designed to familiarize trainees with the organization and layout of the National Electrical Code.	2.25	X	X	
☞	Introduction to Hand Tools AMTIH An interactive training unit designed to familiarize trainees with the proper use of various types of hand tools.	2.25	X	X	

	Course Title	Contact Hrs	CET	CAT	Safety
☞	Introduction to Shop/Power Tools AMTIP An interactive training unit designed to familiarize trainees with the proper use of various types of power tools.	2.00	X	X	
☞	Lubrication Basics AMLBA An interactive training unit designed to familiarize trainees with the properties and uses of various types of lubricants.	2.00	X	X	
☞	Mechanical Seals AMMES An interactive training unit designed to familiarize trainees with the use and installation of various types of mechanical seals.	2.75	X		
☞	Oxyfuel Gas Welding AMWIG An interactive training unit is designed to familiarize trainees with the basic parts and safe operation of oxy-fuel gas welding rigs.	2.00	X	X	
☞	Passenger Elevator Door Equipment – Chapters 1-2 EXAMBUILDER <ul style="list-style-type: none"> • Chapter 1: Door Types • Chapter 2: Preparation of Shaft & Clearances Inactive CD Rom available through NAEC – content provided by Columbia Elevator Products & GAL Manufacturing. Exam online.	1.00	X		
☞	Passenger Elevator Door Equipment – Chapters 3-4 EXAMBUILDER <ul style="list-style-type: none"> • Chapter 3: Installation of Sliding Passenger Elevator Entrances • Chapter 4: Hoistway Equipment Inactive CD Rom available through NAEC – content provided by Columbia Elevator Products & GAL Manufacturing. Exam online.	1.50	X		
☞	Passenger Elevator Door Equipment – Chapters 5-6 EXAMBUILDER <ul style="list-style-type: none"> • Chapter 5: Car Equipment • Chapter 6: Swing Hoistway Inactive CD Rom available through NAEC – content provided by Columbia Elevator Products & GAL Manufacturing. Exam online.	1.50	X		
☞	Pipes & Pipefitting AMPPP An interactive training unit designed to familiarize trainees with common types of pipes, pipe joints, and pipe fittings, and to provide general guidelines for working with pipes.	2.25	X	X	
☞	Precision Measurement Instruments AMTMI An interactive training unit designed to familiarize trainees with use of vernier calipers, different types of micrometers, dial indicators, and fixed gauges.	2.50	X		
☞	Reverse Dial & Laser AMSRD An interactive training unit designed to familiarize trainees with equipment and procedures for aligning shafts using the reverse dial method and using a laser system.	2.50	X		
☞	Rigging - Ladders & Scaffolds AMRLS An interactive training unit designed to familiarize trainees with various types of ladders and scaffolds that enable personnel to work at elevated heights.	2.25	X	X	
☞	Seals – Gaskets & Packing AMMSG An interactive training unit designed to familiarize trainees with the use of gaskets and packing to prevent or minimize leakage from equipment such as pumps and valves.	1.75	X	X	
☞	Shaft Alignment Fundamentals AMSAF An interactive training unit designed to familiarize trainees with the basic principles associated with measuring and correcting shaft misalignment.	2.25	X		
☞	Test Equipment ACCBE An interactive training unit designed to familiarized trainees with various types of electrical test instruments.	2.00	X	X	
☞	Three Phase Electrical Motors AEETP An interactive training unit designed to familiarized trainees with three-phase AC motor operation, inspection, testing and maintenance.	3.00	X	X	
☞	Troubleshooting Techniques AEETA An interactive training unit designed to familiarize trainees with the use of basic troubleshooting procedures to troubleshoot problems in electrical circuits.	1.75	X	X	



	Course Title	Contact Hrs	CET	CAT	Safety
B	NAEC/NCEIG Northern California Regional 2009 February 11 & 12, 2009, Marriott San Mateo/San Francisco Airport, San Mateo, California – Sessions approved as follows:				
	➤ Maintenance and Troubleshooting of Freight Doors	1.00	X		
	➤ Smartrise – Adjusting & Troubleshooting	1.00	X		
	➤ Motion 4000 Sequence of Operation & Troubleshooting	1.50	X		
	➤ American Red Cross First Aid	1.50			X
	➤ Carbon Brush Maintenance for Elevators	1.00	X		
	➤ Elevator Controller Troubleshooting Tips and Techniques	1.00	X		
	➤ Understanding & Troubleshooting GALaxy Controls and Rope Gripper	1.50	X		
➤ Understanding & Maximizing Hoist Rope Life	1.50	X	X		
B	NAEC Spring Conference 2009 March 21-24, Fairmont Southampton, Bermuda - Sessions approved are as follows:				
	➤ Code Update	1.50	X	X	
	➤ American Red Cross CPR Certification	2.00			X
B	NAEC Indianapolis Regional 2009 May 5 & 6, 2009, Indianapolis Marriott East, Indianapolis, Indiana – Sessions approved as follows:				
	➤ AC Induction & Permanent Magnet Motors	1.00	X	X	
	➤ Confined Space Entry & Rescue	1.00			X
	➤ Understanding & Troubleshooting Rope Gripper	1.50	X		
	➤ Understanding & Maximizing Hoist Rope Life	1.50	X	X	
	➤ Emergency Communications & Code Compliance	1.00	X		
	➤ Maintenance and Troubleshooting of Freight Doors	1.00	X		
	➤ Roped Hydraulic Applications, Installation & Maintenance Techniques/Solutions for Hot Oil Jobs	1.50	X	X	
➤ Motion 2000 & 4000 Sequence of Operation & Troubleshooting	1.50	X			
B	United in Orlando 2009 Convention & Exposition Sept 20 – 23, 2009, Gaylord Palms Resort & Convention Center, Kissimmee, Florida – Sessions approved as follows:				
	➤ Past/Now/Future of Elevator Preventive Maintenance	1.50	X	X	
	➤ Maintenance Logs	1.50	X	X	
	➤ Myth-Busting Material Lifts Roundtable	0.75	X		
	➤ Elevator Drive Systems Relating to LEED/Green Elevator Control	0.75	X	X	
	➤ Safety in the Field	0.75			X
	➤ Escalator Step/Skirt Index Testing Using PMT Tool	0.75	X		
	➤ A17.6 Suspension Standard	2.00	X		
	➤ Selected 2008 NEC Changes That May be of Interest	1.50	X	X	
	➤ Elevator/Escalator Plans / Recommendation for National Disasters	1.50	X		
	➤ The Application of an Equivalent (Alternative) No-load Elevator Testing Method, Instead of Statutory Tests with Load in the Elevator Car	1.50	X	X	
	➤ All Things Construction	1.50	X	X	
	➤ Elevator & Building Code Seismic Requirements: Comparison, Interaction, & Use	1.00	X		
	➤ Rack & Pinion Elevators and The Inspector	1.00	X		
	➤ Go with the Flow – The MRL Wave	1.00	X	X	
	➤ Code Requirements for Maintenance, Repair & Replacement	1.00	X	X	
	➤ Inspecting MRL Installations	1.50	X	X	
➤ Hydraulic Mod Surveys	1.50	X			
➤ Compliance Monitoring: Inspection / Audit of Maintenance Requirements 8.6	1.50	X			

	Course Title	Contact Hrs	CET	CAT	Safety
	NAEC Philadelphia Regional 2009 Nov 17 & 18, 2009, The Down Town Club, Philadelphia, Pennsylvania – Sessions approved as follows:				
	➤ New Methods, Better Results	1.00	X		
	➤ Care & Handling of Elevator Rope	1.50	X	X	
	➤ Roped Hydraulic Applications, Installation & Maintenance Techniques/Solutions for Hot Oil Jobs	1.50	X	X	
	➤ Wire Rope and Means of Suspension	1.00	X	X	
	➤ Wireless Freight Door Controls	1.00	X		
	➤ Understanding GALaxy Controllers	1.50	X		
	➤ American Red Cross CPR	1.50			X


American Heart Association: Information about the American Heart Association Workplace Training is available at www.americanheart.org

	Course Title	Contact Hrs	CET	CAT	Safety
	HeartSaver CPR 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
	HeartSaver First Aid/AED Topics include First Aid Basics, Medical Emergencies, Injury Emergencies and Environmental Emergencies.	3.00			X


American Red Cross: Information about the American Red Cross Workplace Training is available at www.redcross.org/services/hss/courses/workplace.html

	Course Title	Contact Hrs	CET	CAT	Safety
	Standard First Aid with AED This course is designed to give individuals in the workplace the knowledge and skills necessary to recognize and provide basic care for injuries and sudden illness, including how to use an automated external defibrillator (AED) for victims of sudden cardiac arrest, until advanced medical personnel arrive and take over.	3.00			X
	Adult CPR Course This hands-on skills training prepares participants to respond to breathing and cardiac emergencies in adults.	3.00			X


Anoka-Hennepin Tech College: For more information, contact Ron Lemm at 763-576-4774 or rlemm@anokatech.edu

	Course Title	Contact Hrs	CET	CAT	Safety
	NEC Update Continuing Education This course emphasizes topics of interest to electricians – wire size and load, boxes, lighting and motor requirements and hazardous locations.	1.00	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
	Accelerated Certified Training – Accessibility Training 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	


Code Instruction Services, Inc: For more information, contact Robert Smith at 410-820-0133 or rsmithfsla@aol.com

	Course Title	Contact Hrs	CET	CAT	Safety
	2008 NEC Commercial / Industrial Installations				
	➤ Day 1	6.0	2.75 hrs	2.75 hrs	3.25 hrs
	➤ Day 2	6.0	X	X	


Delaware Elevator

	Course Title	Contact Hrs	CET	CAT	Safety
	Medic Basic First Aid (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
	OSHA - 10 (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
	OSHA 30 (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
	OSHA Review (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


Eastern Elevator Service

	Course Title	Contact Hrs	CET	CAT	Safety
	Safety Training	1.00			X


Eastern Kentucky University OSHA Training Institute Education Center: For more information, contact Kathy Murphy at 859-622-6810 or kathy.murphy@eku.edu

	Course Title	Contact Hrs	CET	CAT	Safety
	Safety Training for Scaffolding This course is designed to aid participants in the understanding of the most common hazards associated with scaffolding. The program includes general requirements for scaffolds in regards to OSHA regulations as well as general safety. Major course topics include training requirements; fall protection; electrical hazards; overloading hazards and inspections criteria. The course presentation is based on the OSHA 1926.451 scaffolding standard. The course included lectures, PowerPoint presentations, group discussions, handouts, as well as hands on training. (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

Elevator & Vertical Transportation Educational Assoc: For more information, contact Clarence "Pete" Fox at 989-682-4342 or evteai@mutualdata.com


	Course Title	Contact Hrs	CET	CAT	Safety
	QEI Continuing Education	6.00	4.00 hrs		2.00 hrs

Elevator Controls Corp: For more information, contact Francisco Ortiz at 916-482-1708 or Francisco.Ortiz@elevatorcontrols.com









	Course Title	Contact Hrs	CET	CAT	Safety
	EC Factory Technical Training 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"	16.00	X		


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.				
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Elevator U: For more information, contact Terri Emmons at 734-647-5720 or temmons@umich.edu


Course Title	Contact Hrs	CET	CAT	Safety
 2009 Annual Conference June 16-18, Holiday Inn, Quincy, Illinois - Sessions approved are as follows:				
➤ Hollister Whitney Factory Tour	2.00	X		
➤ The Little Book We Like to call the Elevator Code	1.00	X	X	
➤ Wire Rope – Key Indicators They Say “Replace Me” and the New Code Requirements for Elevator Suspension Means	1.00	X	X	
➤ Repair, Replacement and Alteration Acceptance Testing	1.00	X		
➤ Technological Elevator Advances that Achieve	1.00	X		
➤ Jack Installations: Replacing Existing as Well as Installing New Hydraulic Jacks	1.50	X		

Elevator World: For enrollment information call 800-730-5093 or visit www.elevator-world.com



Course Title	Contact Hrs	CET	CAT	Safety
 Rope Traction: Theory & Practice DVD course that combines both a live speaker and a Power Point program developed by George Gibson.	3.00	X	X	
 Elevator Field Safety Course Course based on <i>The 2005 Elevator Industry Field Employee's Safety Handbook</i> , edited by the NEII Safety Committee and Safety Training for Elevator Service and Construction (video or DVD) by Zack McCain.	3.50			X
 Elevator Field Safety Exam #1 Course based on <i>The 2005 Elevator Industry Field Employee's Safety Handbook</i> , 1-4.	1.0			X
 Elevator Field Safety Exam #2 Course based on <i>The 2005 Elevator Industry Field Employee's Safety Handbook</i> , 5-7.	1.0			X
 Elevator Field Safety Exam #3 Course based on <i>The 2005 Elevator Industry Field Employee's Safety Handbook</i> , 8-11.	1.0			X
 Elevator Field Safety Exam #4 Course based on <i>The 2005 Elevator Industry Field Employee's Safety Handbook</i> , 12-21.	1.0			X
 The Maintenance Series 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)	3.50	X	X	
Traction Elevator Maintenance (Chpt 3)	3.50	X		
 Elevator World Articles Read the article & complete the quiz at the end of article or complete the test online.				
Introduction to Permanent-Magnet Gearless Motors and Drive Control Systems (Nov 2009)	1.00	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 and 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 and “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		

	Course Title	Contact Hrs	CET	CAT	Safety
	Installation and Adjustment of the Hollister-Whitney Rope Gripper™ (Feb 2007).	1.00	X		
	Educational Focus				
	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		



EnviroSafe: For more information, contact Pedro Gonzalez at (787) 726-6455 or envirosafe@bigplanet.com.

	Course Title	Contact Hrs	CET	CAT	Safety
	OSHA 10 Hour Construction Safety & Health This program introduces participants to some of the main OSHA standards, and provides practical information to assist attendees in using and interpreting the Code of Federal Regulations; intended to increase workplace safety awareness and compliance.	3.00			X






GAL Manufacturing Corp: For more information contact Peter Novak at peter@gal.com

	Course Title	Contact Hrs	CET	CAT	Safety
	Adjusting/Troubleshooting GALaxy Controllers Through discussion, lecture and practice, participants will focus on the installation, adjustment and troubleshooting of GALaxy Controllers.	12.00	X		
	Understanding/Adjusting/Troubleshooting GALaxy Controllers 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 Desmond Mullin at dmullin@garaventa.ca

	Course Title	Contact Hrs	CET	CAT	Safety
	Artira, Level III Technical Training One-day seminar related to the installation, service and maintenance of Garaventa Artira lifts	7.5	X	X	
	Genesis/OPAL, Level III Technical Training One-day seminar related to the installation, service and maintenance of Garaventa Genesis and Genesis OPAL lifts	7.5	X	X	
	Xpress II, Level III Technical Training One-day seminar related to the installation, service and maintenance of Garaventa Xpress II lifts	7.5	X	X	


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

	Course Title	Contact Hrs	CET	CAT	Safety
	Confined Space Competent Person Class 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 (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
	Fall Protection Competent Person Class 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. (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
	OSHA 10hr for Construction 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. (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
	OSHA 30hr for Construction 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. (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
	Scaffold Competent Person Class This 1 day, 8 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)	7.00			X









James Meyer Consulting, Inc.: For more information, contact James Meyer at meyerconsulting@verizon.net.

	Course Title	Contact Hrs	CET	CAT	Safety
	California Elevator Regulations Seminar Emphasis on Development of Regulations, Latest Adopted Elevator Regulations, Alterations of Existing Elevators (1 day seminar)	8.00	X	X	
	California New Elevator Regulations Seminar 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	



Magnetek: For more information, contact Tony Frey at tfrey@magnetek.com



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

MEI / South Central Technical College: For enrollment information contact Jeff Karvonen, Minnesota Elevator, Inc. at Jeff.Karvonen@minnesotaelevator.com, 507-245-4198 or visit www.meiuniversity.com


	Course Title	Contact Hrs	CET	CAT	Safety
	Elevator Basics This course teaches the "must know" elevator terminology, car type configurations and high level advantages and disadvantages of each car type.	1.00	X		
	Breaking Down the Hydraulic Elevator This course helps students become more familiar with each module and the purpose of each module on a Hydraulic Elevator.	1.00	X	X	
	Anatomy of a Borehole Hydraulic Elevator This course teaches in detail the unique characteristics of a Borehole Hydraulic Elevator	1.00	X		
	Anatomy of a Twin Jack Holeless Hydraulic Elevator This course teaches the unique characteristics of a Twin Jack Holeless Hydraulic Elevator.	1.00	X		
	Anatomy of a Twin Jack Roped Hydraulic Elevator This course teaches the unique characteristics of a Twin Jack Roped Hydraulic Elevator.	1.00	X		
	Anatomy of a Geared Traction Elevator This course teaches in detail the unique characteristics of a Geared Traction Elevator.	1.00	X		
	Introduction to Power Units This course teaches the purpose of the "main" components of a Submersible and Belt Driven/Dry Power Unit.	1.00	X	X	
	Twin Jack Roped Hydraulics This course teaches the installation procedures of a Twin Jack Roped Hydraulic Elevator.	2.00	X		

Motion Control Engineering (MCE): For more information, contact Margo Walls at 916-463-9462 or margo.walls@mceinc.com






	Course Title	Contact Hrs	CET	CAT	Safety
	Elevator Control Troubleshooting A seminar designed to improve elevator control troubleshooting techniques for microcomputer elevator controllers. Major topics shall include: <ul style="list-style-type: none"> • Controller Schematics • On-board diagnostics • PC diagnostic tools • Controller motion adjustment • Feature/Function sessions • Serial Communication • Ethernet Communication • Landing Systems • Terminal slowdown limits. The seminar will include lectures, group discussions, handouts, on-site demonstration and CD.	6.0	X		
	iControl Installation, Adjustment & Troubleshooting 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		






	Course Title	CONTACT HRS	CET	CAT	Safety
	Motion 2000/4000 – Installation, Maintenance & Troubleshooting 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		
	MCE Legacy Equipment: IMC/PTC/VVMC/HMC - Maintenance & Troubleshooting 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
	Continuing Education Course, MTC-003: 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.	8.0	X 6 hrs	X 6 hrs	X 2 hrs

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








	Course Title	Contact Hrs	CET	CAT	Safety
	Introduction to New Technology Inspection Seminar Two day seminar focusing on the ASME A17.1S-2005 requirements relative to MRL design and layout.	VARIED	X 12 hrs	X 4 hrs	X 2 hrs
	NAESA Overview of New Technology Inspection and Introduction to the Performance Based Code Two day professional development seminar will include an executive overview of Talon®, 400A®, ISIS II®, Monospace and Ecospace® and Gen II®, modular escalator design and advances in control system technology. ASME A17.7 / CSA B44.7 Performance-Based Code will present in depth, including orientation to Global Essential Safety Requirements (GESR's), Safety Parameters (SPs), certification and role of Accredited Elevator Escalator Certifying Organizations (AECOs) ISO Guide 65 Programs and how the Code will relate to AHJs, inspectors and field personnel involved in regulatory application	6.00	X		
	NAESA Code Update Seminar (1-day) A one-day seminar on ASME A17.1-2007 / CSA B44-07 Edition of the Safety Code for Elevators and Escalators and ASME A12.2-2007 Guide for Inspection of Elevators, Escalators and Moving Walks. Other related topics that are presented during this seminar include the 2006 revisions to the Elevator Industry's Field Employees Safety handbook.	7.50	X		
	NAESA Code Update Seminar (2-day) A 2-day seminar that includes a comprehensive overview of ASME A17.1-2000, including addenda.	16.00	X	X	
	NAESA A18.1-2008 Safety Standard for Platform Lifts & Stairway Chair Lifts 1-day seminar that explores the relationship of these units with ADA, the history of platform lifts in code.	8.00	X	X	

	Course Title	Contact Hrs	CET	CAT	Safety
	NAESA Cont Ed for Certified Competent Conveyance Mechanics An overview of CCR Title 8, Subchapter 6, Elevator Safety Orders, Section 3000.	6.00	X	X	
	NAESA QEI Training Program A comprehensive overview of Elevator/Escalator Codes & Standards expected to use and apply in conducting QEI certified equipment inspections in accordance with ASME A17.1.	32.00	X	X	
	NAESA 2009 Eastern Region Spring Workshop April 3 -4, 2009, Clarion Fontainebleau Hotel, Ocean City, Maryland - Sessions approved are as follows:				
	➤ Elevator Comedy Hour	2.50	X		
	➤ Rope Gripper Operation	1.00	X		
	➤ Code Data Plates	0.75	X		
	➤ The Elevator Industry, Unique Challenges for Uniquely Talented People	1.50	X		
	➤ Escalator Step Skirt Indexing & Testing	1.50	X		
	➤ Modernization of Elevators with MRL Applications	1.00	X		
	➤ A17.1 Part 8.7 Alterations & Repairs	1.25	X		
	➤ Wind Tower Elevators	0.75	X		
	United in Orlando 2009 Convention & Exposition Sept 20 – 23, 2009, Gaylord Palms Resort & Convention Center, Kissimmee, Florida – Sessions approved as follows:				
	Past/Now/Future of Elevator Preventive Maintenance	1.50	X		
	Maintenance Logs	1.50	X		
	Myth-Busting Material Lifts Roundtable	0.75	X		
	Elevator Drive Systems Relating to LEED/Green Elevator Control	0.75	X	X	
	Safety in the Field	0.75			X
	Escalator Step/Skirt Index Testing Using PMT Tool	0.75	X		
	A17.6 Suspension Standard	2.00	X		
	Selected 2008 NEC Changes That May be of Interest	1.50	X	X	
	Elevator/Escalator Plans / Recommendation for National Disasters	1.50	X		
	The Application of an Equivalent (Alternative) No-load Elevator Testing Method, Instead of Statutory Tests with Load in the Elevator Car	1.50			
	All Things Construction	1.50	X		
	Elevator & Building Code Seismic Requirements: Comparison, Interaction, & Use	1.00	X		
	Rack & Pinion Elevators and The Inspector	1.00	X		
	Go with the Flow – The MRL Wave	1.00	X	X	
	Code Requirements for Maintenance, Repair & Replacement	1.00	X	X	
	Inspecting MRL Installations	1.50	X	X	
	Hydraulic Mod Surveys	1.50	X		
	Compliance Monitoring: Inspection / Audit of Maintenance Requirements 8.6	1.50	X		
	NAESA 2009 Central Region Fall Workshop Nov 5-7, 2009, Ameristar Hotel, Kansas City, MO. - Sessions approved are as follows:				
	➤ Changes to A18.1, New Rules for Courtroom lifts.	1.50	X	X	
	➤ Safety Requirements for Platform Lifts & Stairway Chairlifts, Past and Present	1.50	X	X	
	➤ Private Residence Elevators, Inspectors Review of ASME A17.1 Part 5	1.50	X	X	
	➤ Code Requirements of Private Residence Elevators	1.50	X	X	
	➤ Hands on Discussion of Accessibility Equipment Door Locking Devices	1.00	X	X	
	➤ A17.1a 2008 Updates	1.50	X	X	


National Wheel-O-Vator, a Division of ThyssenKrupp Access: For more information, contact Kevin Brinkman at kbrinkman@tkaccess.com.

	Course Title	Contact Hrs	CET	CAT	Safety
	Destiny (Private Residence Elevator) Installation School This course is designed to help elevator mechanics strengthen their installation, maintenance and troubleshooting skills needed to provide safe, code compliant applications for the end user.	20.00	X	X	
	Evolution (LULA) Installation School This course is designed to help elevator mechanics strengthen their installation, maintenance and troubleshooting skills needed to provide safe, code compliant applications for the end user.	19.00	X	X	
	Platform Lift Installation School This course is designed to help mechanics strengthen their installation, maintenance and troubleshooting skills needed to provide safe, code compliant applications of platform lifts.	19.00	X	X	


Performance Learning Solution: For more information, contact James Ganley at jganley@plstrains.com or 217-423-3541

	Course Title	Contact Hrs	CET	CAT	Safety
	Basic First Aid, CPR & AED for Adults 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
	Bloodborne Pathogens Training 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
	Confined Space Entry & Non-entry Rescue 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
	Confined Space Rescue 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 will be accepted. All safety hrs in excess of the maximum will not be applied towards renewal)	8.00			X
	Electrical Safety and NFPA 70E 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
	Fall Protection Training 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
	OSHA 10-hour General Industry Outreach 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




Safety Resources LLC: For more information, Charles Northam at ctnortham@comcast.net or 410-742-7233

	Course Title	Contact Hrs	CET	CAT	Safety
	Medic First Aid 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 Concord Lifts Inc: For more information, contact Bill Richardson at brichardson@concordelevator.com

	Course Title	Contact Hrs	CET	CAT	Safety
	Concord Installation & Troubleshooting The course is designed to help accessibility technicians strengthen their installation skills and troubleshooting skills on the Concord products. These products included both public and residential vertical platform lifts, residential elevators and limited use and limited application elevators.	VARIED	X 4 hrs	X 14 hrs	






Stannah Starlifts, Inc: For more information, contact Ryan Schneider at ryan_schneider@stannah.com or 508-520-7878.

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





ThyssenKrupp Access: For more information, contact Jason Ford at Jason.ford@tkaccess.com or 816-763-3100 ext. 5588

	Course Title	Contact Hrs	CET	CAT	Safety
	Lev (Private Residence Elevator) Installation School This course is designed to train our dealers how to install, service and trouble shoot the Lev elevator. In this class the students will learn all aspects of the Lev, such as hanging the rail, wiring the controller, building the cab, installing automatic door operators, final adjustments, troubleshooting and code compliance. This "hands on" course will also include lectures, group discussions, handouts and a course evaluation test.	20.00	X	X	
	Volant (Private Residence Traction Elevator) Installation School This course is designed to train our dealers how to install, service and trouble shoot the Volant elevator. In this class the students will learn all aspects of the Volant, such as hanging the rail, wiring the controller, building the cab, installing automatic door operators, final adjustments, troubleshooting and code compliance. This "hands on" course will also include lectures, group discussions, handouts and a course evaluation test.	20.00	X	X	


US Postal Service: For more information visit www.nced.com or call (866) 438-6233.

	Course Title	Contact Hrs	CET	CAT	Safety
	Elevator Maintenance Electric Traction This course is designed to familiarize the student with electric traction elevator system components and related A17.1 Code requirements for the purpose of safely performing routine maintenance and repairs. This course includes <i>Troubleshooting Relay Logic Electric Traction Elevators</i> .	63.75	X		
	Elevator Maintenance Hydraulic This course is designed to familiarize the student with hydraulic elevator system components and related A17.1 Code requirements for the purpose of safely performing routine maintenance and repairs. This course includes <i>Troubleshooting Relay Logic Hydraulic Elevators</i> .	63.75	X	X	
	Elevator Maintenance for Freight Doors A five day class covering the installation, inspection, adjustment, maintenance and troubleshooting of door systems on freight elevators. Included in the course are lessons covering the different types of vertically sliding freight doors, the components that make up the door system and applicable ASME A17.1 code requirements.	36.25	X		
	Troubleshooting Relay Logic Electric Traction Elevators This course is designed to provide the student with a systematic method for diagnosing system malfunctions and analyzing control circuitry to efficiently locate trouble source.	29.0	X	X	
	Troubleshooting Relay Logic Hydraulic Elevators This course is designed to provide the student with a systematic method for diagnosing system malfunctions and analyzing control circuitry to efficiently locate trouble source.	29.0	X	X	


Vertical Assessment Assoc: For more information, contact Lee Rigby at 866-896-0401 or elevatorlee.aol.com.

	Course Title	Contact Hrs	CET	CAT	Safety
	Elevator Safety Instruction - 2010 The course is based on gaining familiarity with OSHA and OSHA's guidelines for safety on various equipment and conditions that elevator technicians are commonly exposed to.	2.00			X
	2007 Elevator Codes and Technical Inspection Upon completion of this course, the participants will: <ul style="list-style-type: none"> • Have a better understanding of the adopted elevator safety codes • Be aware of local laws and rules governing elevators • Have an overview of the upcoming changes to the adopted elevator safety codes • Gain knowledge of commonly misunderstood elevator code requirements • Have been reminded of the importance of safety when working around elevator equipment, and specific safety procedures. 	8.00	X	X	
	Elevator and General Safety Attendees will gain familiarity with OSHA, and OSHA's guidelines for safety on various equipment and conditions that elevator technicians are commonly exposed to.	2.00			X
	Elevator Codes and Technical Instruction This course is designed to familiarize students with adopted national elevator safety codes, local elevator laws & rules, general safety, and technical knowledge on relevant topics.	8.00	X	X	


Victaulic: For more information, contact Dennis Love at dlove@victaulic.com or 410-340-3806

	Course Title	Contact Hrs	CET	CAT	Safety
	Grooved Mechanical Piping For Hydraulic Elevators 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		

Waupaca Elevator Company: For more information, contact Scott DuQuaine at 800-238-8739 or sduquaine@waupacaelevator.com.

	Course Title	Contact Hrs	CET	CAT	Safety
	Service and Installation Technical Training 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	

Wisconsin – Dept of Commerce: For more information, contact David Holmes at david.holmes@wi.gov or 715-828-5901

	Course Title	Contact Hrs	CET	CAT	Safety
	2009 Elevator Construction Symposium Oct 14-15, 2009, Grand Geneva Resort, Lake Geneva WI- Sessions approved are as follows:				
	➤ Day 1 (Oct 14, 2009)	VARIED	X 4.75 hrs	X 1.50 hrs	
	➤ Day 2 (Oct 15, 2009)	VARIED	X 5.50 hrs	X 2.25 hrs	