



FLORIDA WEST COAST CHAPTER

CEU Catalog

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Course Title: Business and Government (B)

Course Number:0006119

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff

Description: This course presents the importance of politics and legislation from a business management perspective. When completed, he will understand more fully the dynamic complexities of working issues as an electrical contractor through the legislative process. He will be capable of contacting appropriate personnel to influence potential legislation affecting his business. He will better understand the need to be active as a citizen and employer in this “merit shop” state

Course Title: Grounding and Bonding (T)

Course Number:0006120

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course focuses on grounding and bonding in detail. The session will present fundamental requirements for proper installation and application in accordance with the National Electric Code. This course is structured to meet the needs of the executive level electrician, the working field licensed electrician and is developed for members of Independent Electrical Contractors.

Course Title: Workers' Compensation (C)

Course Number:0006122

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course will give the contractor a thorough understanding of Workers' Compensation in Florida which will assist them in making informed decisions about the subject and how it relates to their business. This course is structured to meet the needs of the Executive level electrician.

Course Title: Workplace Safety (S)

Course Number:0006121

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course focuses on key elements of the IEC National Safety Program Manual. When the contractor has completed this course, he will possess a thorough understanding of safety. He will know: 1) how to operate a business in a safety-conscious environment; 2) the value of employee safety; and 3) how to recognize hazards in his home office and at construction sites. Additionally, he will be capable of making informed decisions affecting safety programs as they apply to his business.

Course Title: Low Voltage Systems (T)

Course Number:0006600

Credit Hours: 1

Target Audience: Electrical Contractor, Alarm Contractor I, Alarm Contractor II, Master Electrician, Senior Staff.

Description: This course is intended to focus on various aspects of Low Voltage systems to include but not limited to Building Control Systems, Fire Alarm Systems, Security Systems, CCTV/CATV, and Card Access Systems. The contractor will gain new incites into types of low voltage systems, circuitry, code requirements, basic terminology and techniques. He/she will learn of new equipment and requirements as they pertain to residential, commercial, and industrial construction. The contractor/master electrician will more clearly understand, and therefore, be able to modify workforce, purchasing, and management applications to save money and/or time while operating in a safe construction environment.

Course Title: Distributed Generation (T)

Course Number:0006601

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course focuses on Distributed Generation oin detail. The session will present in-depth information pertaining to generators and power generation in general. The National Electrical Code and UL2200 will be addressed as they provide the fundamental requirements for proper installation and application. This course is structured to meet the needs of the executive level electrician as well as the working field licensed electrician.

Course Title: Safety: Excavation, Trenching and Shoring (S)

Course Number:0006602

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course focuses on key elements of the IEC National Safety Program Manual. This course will give the contractor a thorough understanding of the proper techniques for and the inherent dangers of trenching and shoring. This course is structured to meet the needs of the executive level electrician and is developed for members of Independent Electrical Contractors. IEC, independent electrical contractor in mind.

Course Title: Lightning Protection (T)

Course Number:0006632

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course focuses on the fundamentals of Fiber Optic Technology as it applies to the electrical trade. Instruction will include how fiber optics work, transmission difficulties, cabling, connectors, splices, testing, safety, other hardware, and tools needed. This course is structured to meet the needs of the executive level electrician, the working field licensed electrician and is developed for members of Independent Electrical Contractors.

Course Title: Fiber Optics (T)

Course Number:0006633

Credit Hours: 1

Target Audience: Electrical Contractor, Master Electrician, Senior Staff.

Description: This course focuses on the fundamentals of Fiber Optic Technology as it applies to the electrical trade. Instruction will include how fiber optics work, transmission difficulties, cabling, connectors, splices, testing, safety, other hardware, and tools needed. This course is structured to meet the needs of the executive level electrician, the working field licensed electrician and is developed for members of Independent Electrical Contractors.

Course Title: Surge Suppression (T)

Course Number:0007042

Credit Hours: 1

Target Audience: Electrical Contractor, Alarm Contractor I, Alarm Contractor II, Residential Alarm Contractor, Lighting Maintenance Specialty Contractor, Sign Specialty Contractor, limited Energy System Specialty Contractor, Master Electrician, Senior Staff.

Description: The intent of this course is to focus on the various aspects of surge arresters, surge protection, and surge suppressors. It will cover theory, standards, NEC requirements, and practical applications of various pieces of equipment available from different manufacturers. The course will present information pertaining to protecting facilities, circuitry, control centers, and individuals from power surges.

Course Title: Successful Personnel & Training Practices (B)

Course Number:0007055

Credit Hours: 1

Target Audience: Electrical Contractor, Alarm Contractor I, Alarm Contractor II, Master Electrician, Senior Staff.

Description: This course presents a framework to discuss policies and procedures relating to employees and employee training which have proved to be successful over time. When the individual has completed this course, they will clearly understand the dynamic complexities and employment needs of operating a fiscally successful company. This course is designed with the self-emp

Course Title: Test Equipment (T)

Course Number:0007056

Credit Hours: 1

Target Audience: All Electrical Personnell

Description: This course presents a framework to discuss technical aspects of test equipment of the trade. The contractor weill more fully understand the purpose and capabilities of the various pieces of test equipment and the value for his particular company. He will be capable of identifying some of the challenges and/or difficulties experienced by subcontractors such as purchasing unneeded test equipment, calibration requirements, avoiding costly repairs through proper handling and storage, training and certification needs, train the trainer opportunities, how to quantify long and short-term usage and availability, maintenance requirements, and how to manage inventory.

Course Title: Successful Business Practices (B)

Course Number:0007057

Credit Hours: 1

Target Audience: All Electrical Contractors, Master Electrician, Senior Staff.

Description: This course presents a framework to discuss policies and procedures relating to a variety of business practices which have proved to be successful over time. This course will give the contractor a better understanding of the business aspects of operating a fiscally successful company. This course is designed with the self-employed, independent electrical contractor in mind.

Course Title: Tools and Equipment (T)

Course Number:0007058

Credit Hours: 1

Target Audience: All Electrical Contractors, Master Electrician, Senior Staff.

Description: This course presents a framework to discuss technical aspects of tools and equipment of the trade, addressing specifically those described in the NEC. When completed, the contractor will more fully understand the dynamic complexities of operating a fiscally successful company. He/she will be capable of identifying some of the "pitfalls" experienced by sub-contractors such as equipment, tool procurement challenges and calibration requirements and major equipment purchasing versus leasing. Also how to avoid costly repairs through equipment management, how to quantify long-term and short-term maintenance requirements, and how to manage a tool/equipment inventory.

Course Title: Vehicles, Machinery and Maintenance (T)

Course Number:0007059

Credit Hours: 1

Target Audience: Electrical Contractor, Alarm Contractor I, Alarm Contractor II, Master Electrician, Senior Staff.

Description: When completed, the contractor will more fully understand the dynamic complexities of operating a fiscally successful company. He/she will be capable of identifying some of the “pitfalls” experienced by sub-contractors such as machinery and vehicle procurement challenges, avoiding costly repairs through fleet management, vehicle and machinery purchasing versus leasing, how to quantify long-term and short-term maintenance requirements, and how to manage a fleet of vehicles.

Course Title: Overcurrent Devices and Protection (T)

Course Number:0007060

Credit Hours: 1

Target Audience: All Electrical Contractors, master Electrician, Senior Staff.

Description: This course is intended to focus on overcurrent devices and protection by addressing theory, standards, National Electrical Code requirements, practical applications and the advantages and disadvantages of various items of equipment available to provide overcurrent protection.

Course Title: Arc Flash (T)

Course Number:0007658

Credit Hours: 1

Target Audience: Electrical Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor.

Description: When completed, the contractor will have gained new insights into the real potential dangers of “working hot.” He/she will calculate potential for arc flash and understand how to protect the work force. He/she will learn basic terminology, the variables that determine arc potential, and the pre-existing dangers as they pertain to construction and service work. As applicable, NEC, NFPA, and OSHA requirements will be identified. Through this instruction the contractor will be able to modify workforce, safety requirements, and management approach when working in a potentially dangerous environment. With this knowledge he/she may save time, money, and heartache.

Course Title: Advanced Code Interpretation & Implementation - Part 1 (T)

Course Number:0007659

Credit Hours: 1

Target Audience: Electrical Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor

Description: The electrical contractor will gain new insights into the significant changes in any applicable code. He/she will compare documents seeking to understand not only the rule, but also the purpose, intent, and rationale for the requirement. He will understand terminology, material requirements or restrictions, OSHA implications, and tasks required for the worker, supervisor, and

manager leader. Based on instruction, the electrical contractor/master electrician will more clearly understand, and therefore be able to modify, technique, materials used, workforce, safety expectation, and management approach when working under the guide lines of the new code.

Course Title: Advanced Code Interpretation & Implementation - Part 2 (T)

Course Number:0007660

Credit Hours: 1

Target Audience: Electrical Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor

Description: The electrical contractor will gain new insights into the significant changes in any applicable code. He/she will compare documents seeking to understand not only the rule, but also the purpose, intent, and rationale for the requirement. He will understand terminology, material requirements or restrictions, OSHA implications, and tasks required for the worker, supervisor, and manager leader. Based on instruction, the electrical contractor/master electrician will more clearly understand, and therefore be able to modify, technique, materials used, workforce, safety expectation, and management approach when working under the guide lines of the new code.

Course Title: Dealing With Technical Contract Clauses (B)

Course Number:0007661

Credit Hours: 1

Target Audience: Electrical Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor

Description: The electrical contractor will gain new insights into the technical language and an appreciation for the “complexities” of various “standard contracts”. He/she will discover that “standard contracts” are not for all, and are laced with legal complex, and technical jargon. He will understand the value of retaining a competent attorney prior to entering into certain types of contracts. When completed, the electrical contractor/master electrician will more clearly understand the warning signals present in many complex contracts.

Course Title: Issues With Complex Technical Change Clauses (B)

Course Number:0007662

Credit Hours: 1

Target Audience: Electrical Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor

Description: The electrical contractor will gain new insights into the “complexities” of various change clauses in contracts. He/she will better appreciate the challenges presented in “highly technical language”. Each attendee will discover that “standard clauses” are not for all, but are

laced with legal, complex, and technical jargon. He will understand the value of retaining a competent attorney prior to altering certain types of contracts. When completed, the electrical contractor/master electrician will more clearly understand the warning signals present in many complex contracts clauses.

Course Title: Advanced FBC Building / Structural Summary (FBC 188) (A)

Course Number:0007697

Credit Hours: 1

Target Audience: Electrical Contractor, Alarm Contractor I, Alarm Contractor II, Residential Alarm Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor, Limited Energy System Specialty Contractor, Master Electrician, Senior Staff.

Description: The electrical contractor will gain new insights into the Florida Building Code. He/she will understand not only the rule, but also the purpose, intent, and rationale for the requirement. He will understand the terminology, administration, classifications, special detailed requirement, spacing specifications, construction types, fire requirements, means of egress, etc. When completed, the electrical contractor/master electrician will more clearly understand, and therefore, be able to modify technique, materials used, workforce, safety expectations, and management approach when working under the guidelines of the code.

Course Title: OSAH 10 (S)

Course Number:0008081

Credit Hours: 10

Target Audience: Electrical Contractor, Alarm Contractor I, Alarm Contractor II, Residential Alarm Contractor, Lighting and Maintenance Contractor, Sign Specialty Contractor, Limited Energy System Specialty Contractor, Master Electrician, Senior Staff.

Description: This lesson gives a basic overview of OSHA requirements in the prevention and elimination of work-related illnesses and injuries. It includes information about employer and employee rights and responsibilities. The course focuses on the development of training skills through obtaining an understanding of the Occupational Safety and Health Act, CFR 1926. Students will obtain detailed information on the code of federal regulations for construction, and relevant general industry standards applicable to the construction trades.

Notes