

JATC Journeyman & Technician Continuing Education Late Spring 2017

Advanced Conduit & Residential Wiring Practices

Price: \$75.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
2191	Spring	4	Wednesday	4:30-8:30	TBD	5/10, 5/17, 5/24, 5/31

This 16 hour course will review the various methods for bending conduit, including EMT and Ridged utilizing hand benders and Chicago benders and an introduction to 881Green Lee bender. Classes will also review advanced circuitry including 3 ways and 4 way switching.

Boston Hot Work Safety Certificate Program

Price: \$25.00 (cert fee)

Course #	Semester	Sessions	Day	Time	Instructor(s)	Dates
2192	Spring	1	Wednesday	4:30-7:30	TBD	5/17
2195	Spring	1	Wednesday	4:30-7:30	TBD	6/14

The Boston Fire Department (BFD) in partnership with the NFPA has developed curriculum that will help construction workers and all persons engaged in hot work operations, describe the various types of hot work; identify common fuel and ignition sources; cite relevant standards, regulations and ordinances that are applicable to hot work; define the duties and responsibilities of each person on the hot work team, and ensure that workers can read and understand hot work permits. NOTE: \$25.00 fee is for Certification Card

Per BFD Fire Prevention Code article 8, all persons conducting hot work will be required to have completed this training.

Computers and Networking

Price: \$25.00

Course #	Semester	Sessions	Day	Time	Instructor	Dates
2209	Spring	1	Saturday	8:00-2:30	TBD	5/13
2210	Spring	1	Saturday	8:00-2:30	TBD	6/3

This course is a hands-on approach for being connected to the Internet in both personal and business applications. A review of the latest technology for connecting to the Internet using computers, tablets, smart phones and a look at the latest personal assistants, such as *Google Home* and *Amazon's Echo*. Learn what it means to be "hosted in the cloud" and how to setup and use "apps" such as *Dropbox* and *iCloud*, while demonstrating how to remain secure and protect your devices, data and personal information. In addition, each student will learn how to set up and configure IP addresses, install and secure devices on a network such home automation and security systems. Also every student will learn how to accurately configure and safely access a WiFi network from home and on the road, as well as troubleshoot and recover from a failure of a device or loss of Internet access.

Controls & PLC Concepts – Part A**Price: \$130.00 (textbook)**

Course #	Semester	Sessions	Day	Time	Instructor(s)	Dates
2196	Spring	4	Wednesday	4:30-8:30	TBD	5/3, 5/10, 5/17, 5/24
2197	Spring	4	Wednesday	4:30-8:30	TBD	6/7, 6/14, 6/21, 6/28

This is an introductory course to motor control concepts and the focus will be on symbols, diagrams, sequence of operation and introduction to magnetic motor control starters. The motor control simulator lab at building 170 and the motor control shop at building 194 shall be utilized for hands on training and the module proficiency testing for principles learned. Prerequisite for the course; basic understanding of motor controls and wiring diagrams.

PLC Textbook costs \$130.00 and can be utilized for Part A, B & C.

Controls & PLC Concepts – Part B**Price: No Charge**

Course #	Semester	Sessions	Day	Time	Instructor(s)	Dates
2198	Fall	4	Wednesday	4:30-8:30	TBD	TBD
2199	Fall	4	Wednesday	4:30-8:30	TBD	TBD

This course is a continuance of Part A and will focus on PLC programming symbols, electrical principles, systems and hardware. The PLC classroom/shop at building 194 will be utilized for hands on training and the module proficiency testing for principles learned.

Prerequisite for this course; Controls & PLC Concepts Part A.

Controls & PLC Concepts – Part C**Price: No Charge**

Course #	Semester	Sessions	Day	Time	Instructor(s)	Dates
2200	Winter '18	4	Wednesday	4:30-8:30	TBD	TBD
2201	Winter '18	4	Wednesday	4:30-8:30	TBD	TBD

This course is a continuance of Part B and will focus on plc concepts, plc programming instructions, system interfacing, system maintenance and troubleshooting plc hardware. The plc classroom/shop at building 194 will be utilized for hands on training and the module proficiency testing for principles learned.

Prerequisite for this course; Controls & PLC Concepts Part B.

CPR/AED**Price: \$20.00**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
2202	Spring	1	Saturday	8:00-2:30	TBD	5/13
2203	Spring	1	Saturday	8:00-2:30	TBD	6/3

This 6 hour session introduces students to techniques of cardiopulmonary resuscitation (CPR), operation and maintenance of automated external defibrillator (AED) and other rescue techniques. Two year Certification Card is issued to each participant. Completion of this course will satisfy the Code Update 6 Hour "related" requirement.

Home Theater & Audio Visual Basics**Price: \$25.00**

Course #	Semester	Sessions	Day	Time	Instructor	Dates
2204	Spring	1	Saturday	8:00-2:30	TBD	5/13
2211	Spring	1	Saturday	8:00-2:30	TBD	6/3

This 6 hour course will introduce the student to basic Audio and Video systems for Residential and Commercial equipment. Topics covered include; Video Display Technologies related to Image size and HD resolution, Distributed Sound associated with Home Theater Components, Speakers and Cable.

Master Exam Preparation**Price: \$75.00**

Course#	Semester	Sessions	Night	Time	Instructor	Dates
2205	Spring	5	Monday	4:30-8:30	TBD	5/22, 6/5, 6/12, 6/19, 6/26

This 20 hour course is a condensed version of our original Master Prep course. The focus will be on codeology, code calculations, and the Business portion of the Master's Exam. A review of the application process and sample questions will be provided. Please note that this course does not cover all of the required 150 hours of education necessary to apply for the exam. **Code Book / Mass Amendments are not included in cost.**

Master Exam Preparation – Business Section**Price: \$75.00**

Course #	Semester	Sessions	Night	Time	Instructor	Dates
2206	Spring	3	Monday	4:30-8:30	TBD	6/12, 6/19, 6/26

This 12 hour course is designed to help prepare Journeymen for the *Business Section* of the Massachusetts Master's license examination. Please note this section of the Master's Exam Prep Class will only be covering the specific "business section" of the examination. **Business Book is included in cost.**

NFPA 70E Awareness**Price: No Charge**

Course #	Semester	Sessions	Day	Time	Instructor	Dates
1918	Spring	1	Saturday	8:00-2:30	Keith Prendergast	4/8
2207	Spring	2	Saturday	4:30-7:30	TBD	5/13

This 6 hour course will assist those in our industry to better understand the number of hazards associated with working on or near energized electrical equipment and circuits, the manner and conditions under which such work may be performed. The training will provide safety related work practice requirements of OSHA.

NFPA 72 - Review of the 2016 Edition**Price: \$100.00**

Course #	Semester	Sessions	Day	Time	Instructor	Dates
2208	Spring	2	Monday	4:30-7:30	Doug Whalen	5/8, 5/15

This 6 hour course will provide an introduction to the 2016 NFPA-72 Fire Alarm and Signaling Code. Its main focus will be commercial building installations, maintenance, testing and best practices. Changes from the 2013 edition will be also be reviewed. **The 2016 NFPA-72 edition is included in the cost of the course.**

OSHA 10**Price: No Charge**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1913	Spring	2	Saturday	8:00-1:30	TBD	5/13, 5/20

This 10 hour course will cover the requirements for the OSHA 10 certification.

Note: OSHA10 classes cannot be made up - you must attend all classes in cycle to get credit.