

# JATC Journeyman & Technician Continuing Education Fall / Winter / Spring 2016 – 2017

---

## Advanced Conduit & Residential Wiring Practices

**Price: \$75.00**

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1887	Fall	4	Wednesday	4:30-8:30	J. Frasier/C. O'Brien	11/2, 11/9, 11/16, 11/30

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 881 Green Lee bender. Classes will also review advanced circuitry including 3 way and 4 way switching.

## Boston Hot Work Safety Certificate Program

**Price: \$25.00 (cert fee)**

Course #	Semester	Sessions	Day	Time	Instructor(s)	Dates
1888	Fall	1	Monday	4:30-7:30	TBD	10/24 <b>CANCELLED</b>
1889	Fall	1	Wednesday	4:30-7:30	TBD	11/16
1890	Winter	1	Monday	4:30-7:30	TBD	12/12
1891	Winter	1	Wednesday	4:30-7:30	TBD	1/25
1892	Spring	1	Monday	4:30-7:30	TBD	2/13
1893	Spring	1	Wednesday	4:30-7:30	TBD	3/22

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.*

## Confined Spaces 1926 Standard

**Price: No charge**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1894	Fall	1	Saturday	8:00-2:30	Keith Prendergast	11/5
1895	Winter	1	Saturday	8:00-2:30	Keith Prendergast	1/21

This 6 hour session will review the OSHA 1926 Standard for Confined Spaces.

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

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1896	Fall	1	Saturday	8:00-2:30	Jeff Sheehan	10/22 <b>CANCELLED</b>
1897	Fall	1	Saturday	8:00-2:30	TBD	11/19
1898	Winter	1	Saturday	8:00-2:30	Tom Spellman	12/10
1899	Winter	1	Saturday	8:00-2:30	Tom Spellman	1/28
1900	Winter	1	Saturday	8:00-2:30	Keith Prendergast	2/25

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.

**Fire Alarms****Price: \$85.00**

Course #	Semester	Sessions	Night	Time	Instructor	Dates
1901	Fall	4	Wednesday	4:30-8:30	R. Maguire	11/2, 11/9, 11/16, 11/30

This 16 hour course is designed to help Inside Wiremen understand the operation of basic electronic fire alarm systems and how to install, check out, trouble-shoot and maintain them. In addition, the various components and circuits of fire alarm systems will be covered.

**Fluke Copper & Fiber-Testing & Inspection****Price: \$40.00**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1902	Fall	2	Tuesday	4:30 - 8:30	TBD	11/1, 11/8
1903	Winter	2	Tuesday	4:30 - 8:30	TBD	1/31, 2/7
1904	Spring	2	Tuesday	4:30 - 8:30	TBD	3/21, 3/28

This course will provide a review of the existing DTX copper and fiber test equipment as well as an introduction to the new DSX copper and fiber test equipment. Topics will include Set up of each tester including *CertiFiber Pro* and *OptiFiber Pro*, Testing with the equipment, troubleshooting copper and fiber links and a review of the *Linkware* software application.

**Hoisting & Rigging****Price: No charge**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1905	Spring	2	Saturday	7:30-4:00	Steve Collins	3/4, 3/11

This 16 hour course will provides instruction on the inspection, maintenance and safe operation of rigging devices when handling materials lifted with cranes, heavy equipment, boom lifts, truck cranes, shop hoists or other hoisting equipment, as well as preparation for the Massachusetts Hoisting License exam.

**Master Exam Preparation****Price: \$175.00**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1906	Fall/Winter	10	Saturday	8:00-12:00	Mike Norris	10/29, 11/5, 11/19, 12/3, 12/10, 1/7, 1/14, 1/21, 1/28, 2/4

This 40 hour course is designed to help prepare Journeymen for the Massachusetts Master license examination and will provide a thorough and comprehensive review of the application process, questions from sample tests and calculations required for the examination. *Please note that this course does not cover all of the required 150 hours of education necessary to apply for the exam. Code Book is not included in cost.*

**Master Exam Preparation****Price: \$175.00**

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1907	Fall/Winter	10	Monday	4:30-8:30	J. Fahey	10/24, 11/7, 11/14, 11/21, 11/28, 12/5, 12/12, 1/9, 1/16, 1/23

This 40 hour course is designed to help prepare Journeymen for the Massachusetts Master license examination and will provide a thorough and comprehensive review of the application process, questions from sample tests and calculations required for the examination. Please note that this course does not cover all of the required 150 hours of education necessary to apply for the exam. **Code Book is not included in cost.**

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

Course #	Semester	Sessions	Night	Time	Instructor	Dates
1908	Winter	3	Monday	4:30-8:30	J. Fahey	1/9, 1/16, 1/23

This 12 hour course is designed to help prepare Journeymen for the *Business Section* of the Massachusetts Master license examination. Please note this section of the Master Exam Prep Class will only be covering the specific “business section” of the examination.

**NASCLA Contractors Guide to Business, Law and Project Management is included in cost.**

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

Course #	Semester	Sessions	Night	Time	Instructor	Dates
1909	Winter	3	Saturday	8:00-12:00	Mike Norris	1/21, 1/28, 2/4

This 12 hour course is designed to help prepare Journeymen for the *Business Section* of the Massachusetts Master license examination. Please note this section of the Master Exam Prep Class will only be covering the specific “business section” of the examination.

**NASCLA Contractors Guide to Business, Law and Project Management is included in cost.**

**Medium Voltage Splicing****Price: \$125.00**

Course #	Semester	Sessions	Night	Time	Instructor	Dates
1910	Spring	4	Wednesday	4:30-7:30	B. O’Connell	3/15, 3/22, 3/29, 4/5

This 12 hour Medium Voltage Splicing training is a balance of theory/lecture, hands-on installation training and cable handling techniques. Participants will each install a splice or termination. A review at the end of the class ensures that all the important topics have been covered and understood.

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

Course #	Semester	Sessions	Day	Time	Instructor	Dates
1911	Winter	1	Saturday	8:00-2:30	Keith Prendergast	12/3
1918	Spring	1	Saturday	8:00-2:30	Keith Prendergast	4/8

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.

**OSHA 10 \*****Price: No Charge**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1912	Fall	2	Saturday	8:00-1:30	Jeff Sheehan	12/3, 12/10
1913	Spring	2	Saturday	8:00-1:30	Keith Prendergast	5/13, 5/20

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

*\* You must register for OSHA courses 2 weeks prior to course start date, and OSHA 10 classes cannot be made up - you must attend all classes in cycle to get credit.*

**OSHA 30 \*****Price: No Charge**

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1914	Fall	4	Saturday	8:00-4:00	Keith Prendergast	11/5, 11/19, 12/3, 12/10
1915	Winter	4	Saturday	8:00-4:00	Jeff Sheehan	3/4, 3/11, 3/18, 3/25

This 30 hour course will cover the requirements for the OSHA 30 certification.

*\* You must register for OSHA courses 2 weeks prior to course start date, and OSHA 30 classes cannot be made up - you must attend all classes in cycle to get credit.*

**Rail and Transit Signal Orientation****Price: \$25.00**

Course#	Semester	Sessions	Day	Time	Instructors	Dates
1916	Fall	5	Tuesday	4:30 - 8:30	F. Burnett & L. Butterfield	11/1, 11/15, 11/29, 12/6, 12/13
1917	Winter	5	Tuesday	4:30 - 8:30	F. Burnett & L. Butterfield	1/17, 1/31, 2/7, 2/14, 2/21
1919	Spring	5	Tuesday	4:30 - 8:30	F. Burnett & L. Butterfield	3/7, 3/14, 3/21, 3/28, 4/4

The purpose of this course is to assist the participant in demonstrating proper safety procedures and gaining an overview the functions of switches and their associated components.

## Storm Service Restoration Training for Electricians

Price: \$45.00

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1920	Fall	1	Saturday	8:00-4:30	Keith Prendergast	11/19
1921	Spring	1	Saturday	8:00-4:30	Keith Prendergast	3/4

Storm Service Restoration Training is offered to inside wiremen who after major storms will be conducting restoration activities alongside outdoor overhead line crews. Course objectives: demonstrate how to wear, inspect, and test PPE, describe the procedure for handling downed wire, conduct satisfactory job briefs, explain step and touch potential, identify secondary wires and distinguish them from other types of wire, test lines and corrected determine if they are energized and conduct meter checks.

## System Tech License Test Prep

Price: \$50.00

Course#	Semester	Sessions	Night	Time	Instructor(s)	Dates
1922	Winter	5	Wednesday	4:30-8:30	Various	1/11, 1/18, 2/1, 2/8, 2/15

This 20 hour course will prepare students to take the Massachusetts System Technician license (also referred to as "D" license) exam. Topics include; using the National Electrical Code, wiring methods, low voltage systems and controls, fire warning and security systems, testing and inspections, fiber, data, communications and wiring systems. A review of Massachusetts General Laws and Regulations pertaining to the electrical wiring and Massachusetts Electrical Code and Amendments. Please note that this course does not cover all of the required 300 hours of education necessary to apply for the exam. **Books are not included in cost**

**\*If you have any of the following books you are not required to purchase another for course:**

*NEC 2014 CODE \$75.00*

*NFPA 72 Fire Alarm CODE 2013 Edition \$75.00*

*Massachusetts Amendments \$5.00*

*2015 System Contractor & Technician Exam Prep Guide \$20.00*

## Telecom Estimating & Leadership Concepts

Price: \$45.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1923	Fall	5	Monday	4:30-7:30	Randy Silva	11/7, 11/14, 11/28, 12/5, 12/12

This 15 hour course is a review of the basic elements of telecom estimating, the concepts of managing the materials and manpower for telecom projects, using a small commercial project recently bid and completed in the Boston area. Students will learn the concept of material take-offs and labor.

## Wireless Networks II

Price: \$45.00

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1924	Spring	1	Saturday	8:00-2:30	T. Hennessy	3/4

This 6 hour course will review the evolution of wireless technology, network architecture and fundamentals. Network components, design, methods and testing and analysis will be reviewed. A basic home WLAN will be created, named and deployed. Performance testing of the WLAN will be demonstrated using multiple PC'S and the adverse effects of improper antenna placement and architectural interference will be demonstrated and reviewed. A wireless mapping survey will also be conducted using heat mapping technology.