

JATC Journeyman & Technician Continuing Education Fall / Winter / Spring 2015 – 2016

Advanced Conduit & Residential Wiring Practices

Price: \$75.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1283	Fall	4	Wednesday	4:30-8:30	TBD	10/21, 10/28, 11/4, 11/18
1284	Spring	4	Wednesday	4:30-8:30	CANCELED	3/9, 3/16, 3/23, 3/30

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

Confined Spaces 1926 (New) Standard

Price: No charge

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1285	Spring	1	Saturday	8:00-2:30	Keith Prendergast	4/16

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

CPR/AED

Price: \$20.00

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1286	Fall	1	Saturday	8:00-2:30	CANCELED	10/24
1287	Fall	1	Saturday	8:00-2:30	Jeff Sheehan	11/21
1288	Winter	1	Saturday	8:00-2:30	Jeff Sheehan	1/23
1289	Winter	1	Saturday	8:00-2:30	Jeff Sheehan	2/20
1290	Winter	1	Saturday	8:00-2:30	TBD	3/12
1291	Spring	1	Saturday	8:00-2:30	TBD	4/2
1292	Spring	1	Saturday	8:00-2:30	TBD	4/30

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
1293	Winter	4	Wednesday	4:30-8:30	R. Maguire	2/3, 2/10, 2/24, 3/2

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.

Hoisting & Rigging

Price: No charge

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1294	Winter	2	Saturday	7:30-4:00	Steve Collins	2/27, 3/5
1295	Spring	2	Saturday	7:30-4:00	Steve Collins	4/2, 4/9

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.

Introduction to Fiber Optics

Price: \$105.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1298	Winter	4	Wednesday	4:30-8:30	Scott Lucca	2/3, 2/10, 2/24, 3/2

This 16 hour course will review fiber optics theory, cable, connector types, enclosures, panels and testing & fusion equipment. Hands on terminations will include SC/LC single mode and multi-mode connectors. Fusion splicing will be performed with a Corning unit.

Introduction to Telecom Estimating

Price: \$45.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1299	Fall	4	Monday	4:30-8:30	Randy Silva	11/2, 11/9, 11/16, 11/23
1300	Spring	4	Monday	4:30-8:30	CANCELED	2/22, 2/29, 3/7, 3/14

This 16 hour course is a review of the basic elements of telecom estimating, using a small commercial project recently bid and completed in the Boston area. Students will learn the concept of material take-offs and labor.

Leadership Concepts for Telecommunications Projects

Price: \$45.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1301	Spring	4	Monday	4:30-8:30	Randy Silva	3/21, 3/28, 4/4, 4/11

This 16 hour course will review the concepts of managing the materials and manpower for telecom projects. Topics covered include; Drawings and Specification, Job Preparation, Documentation, Job Site Requirements, Man Power, Job implementation and Job Closeout.

Master's Exam Preparation

Price: \$175.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1302	Winter	10	Monday	4:30-8:30	J. Fahey	1/4, 1/11, 1/18, 1/25, 2/1, 2/8, 2/22, 2/29, 3/7, 3/14

This 40 hour course is designed to help prepare Journeymen for the Massachusetts Master's 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 / Mass Amendments are not included in cost.*

Master's Exam Preparation – Business Section Only**Price: \$60.00**

Course #	Semester	Sessions	Night	Time	Instructor	Dates
1303	Winter	3	Monday	4:30-8:30	J. Fahey	2/29, 3/7, 3/14

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.

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

Course #	Semester	Sessions	Night	Time	Instructor	Dates
1304	Spring	4	Thursday	4:30-7:30	B. O'Connell	3/10, 3/17, 3/24, 3/31

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
1305	Winter	1	Saturday	8:00-2:30	TBD	1/23
1306	Winter	1	Saturday	8:00-2:30	Keith Prendergast	3/12
1307	Spring	1	Saturday	8:00-2:30	CANCELED	4/9

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
1308	Fall	2	Saturday	8:00-1:30	Jeff Sheehan	10/17, 10/24
1309	Spring	2	Saturday	8:00-1:30	CANCELED	3/5, 3/12

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 OSHA10 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
1310	Fall	4	Saturday	8:00-4:00	Keith Prendergast	10/24, 10/31, 11/7, 11/14
1311	Winter	4	Saturday	8:00-4:00	Jeff Sheehan	1/23, 1/30, 2/6, 2/13
1312	Spring	4	Saturday	8:00-4:00	Jeff Sheehan	3/19, 3/26, 4/2, 4/9

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 OSHA30 classes cannot be made up - you must attend all classes in cycle to get credit.*

Outside Plant Fiber Optics

Price: \$95.00

Course#	Semester	Sessions	Night	Time	Instructor	Dates
1313	Spring	4	Wednesday	4:30-8:30	Scott Lucca	3/9, 3/16, 3/23, 3/30

This 16 hour Fiber Optics Association, Inc. (FOA) course will provide training on fiber optic systems used in the Outside Plant. Topics covered; Fiber terms, communications, transmission systems and components, splices and connectors, testing, Network Design and Installation. Hands on will include fusion splicing and OTDR & Power meter testing. **PREREQUISITE: Introduction to Fiber Optics**

Storm Service Restoration Training for Electricians

Price: \$45.00

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1314	Fall	1	Saturday	8:00-4:30	Keith Prendergast	11/21
1315	Winter	1	Saturday	8:00-4:30	Keith Prendergast	2/20
1316	Spring	1	Saturday	8:00-4:30	CANCELED	4/2

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	Dates
1317	Winter	5	Wednesday	4:30-8:30	Various	1/6, 1/13, 1/20, 1/27, 2/3

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

Wireless Networks II

Price: \$45.00

Course#	Semester	Sessions	Day	Time	Instructor	Dates
1318	Spring	1	Saturday	8:00-2:30	Hennessy	4/16

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.