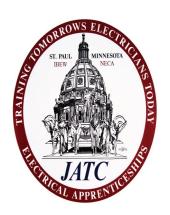
St. Paul Electrical Training Center - Winter 2019

JATC - WINTER CLASS SCHEDULE 2019



2020 Codebooks are here!

Bring in your signed postcard along with \$20 to get your new 2020 Codebook.

Postcards were mailed out October 2019.

Lost? Misplaced? Never received?

Stop into the JATC office starting January 2020 with your dues card number and \$20 to get your new 2020 Codebook.

JATC will accept Cash or Credit card only!

JATC Office Hours

Monday - Thursday
7:00 a.m. to 4:30 p.m.
Friday
7:00 a.m. to 3:30 p.m.

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REMINDER: We need your EMAIL!!!

Class completion certificates are now being emailed.

Make sure the JATC has a current email address on file.

Please keep all of your certificates that you receive from any class. These may be needed for further documentation for jobs that you take and for state renewal of your license(s).



Congratulations to the November 20th, 2019 Apprenticeship Graduation Class!!!

Jonathan Axtmann, Dale Burr, Dennis Burr, Thuong Cao, Louis Carruth, Erik Cheever, Brandon Coleman, Guta, Dabassa, Robert Dabruzzi, Christina Davis, James Deters, Peter Gnau, Mitchell Golley, Ryan Grandpre, Brandon Hinton, Andrew L. Johnson, Matthew Katelhut, William Kessler, Michael Krohn, Adam Larson, Charles Lutz, Trenton Maynard, Brandon Morsching, Grayson Neff, Patrick Rosenthal, Ceico Rulford, Spencer Sand, Matthew Singh, Brandon Smith, Derek Spencer, Anthony Voelker, Lucas Vogelgesang, Cody Waletzko, Tanner Willows and Tou Yia Yang.

Outstanding Apprentice awarded to: Matthew Singh



JW COURSE DESCRIPTIONS - WINTER 2019

CABLE SPLICING:

This class includes hands-on training along with classroom instruction, hand-building terminations for both capacitive and geometric stress relief, building workable splices solely with tape, assembling terminations and splices using heat shrink and cold shrink, load-break elbows, modular terminations and splices, instruction on terminating an SF6 switch. There will be two evenings of testing DC hipot and VLF tan delta. This class is on Thursdays evenings at 6:00 p.m. to allow refinery workers to attend without missing time. Each session is 3 hours per evening. Upon completion this class meets the 16 hours of MN state continuing education credits. This is a 12 night class. The instructor is Andy Clarkson.

CODE OF EXCELLENCE:

The Code of Excellence program is designed to provide increased value to electrical construction and maintenance users by enhancing the performance of signatory employers and the efficiency and craftsmanship of IBEW workers. This is a one night, 4 hour class. The instructor is Dave Porter.

CONDUIT BENDING:

This interactive course is designed to provide the student with practical hands-on experience and applicable trade information to become proficient at bending stub up, back to back, offset, three-bend saddles, four-bend saddles, rolling offset, and segmented/concentric bends. Students will use basic mathematics and layout information for proper bending of EMT and Rigid conduit. The instructor is Nate Koska. Class is 6 nights and 3 hours each night.

CONTRACTOR 101: <

An informational look at what it takes to operate a contracting business. Included are presentations from the U.S. Small Business Administration, SCORE, St. Paul Federal Credit Union, as well as CPA, Insurance and Legal Representation. The date of this class has yet to be determined. However, sign up is crucial to avoid cancellation. This is a 2 night - 4 hours each night class.

<u>CORE 4—(Pro 10)</u>: (PRE-REQUISITE-NEED TO HAVE TAKEN CODE OF EXCELLENCE)

The LUC committee (Labor, Users and Contractors) has initiated a "Union Construction Professional Training" program called PRO-10. This course is 10 hours in length. IBEW electricians who have <u>completed Code of Excellence</u> will only have to complete 4 of the 10 hours to receive a PRO-10 certificate. These 4 hours are called CORE 4. This course was developed for the building trades. There are certain jobs that require PRO-10 certification. The instructor is Lance Velander.

CPR-FIRST AID:

CPR/First Aid is an 8 hour class covering infant, child and adult CPR and standard First Aid. It is a combination of classroom and hands on. CPR/First Aid is 2 nights, 4 hours each class. Participants must successfully complete both skills and written evaluations to receive their e-card. Certification is good for 2 years for both CPR and First Aid. Instructors are as follows: Ed Nelson and Mike Towle.

JW COURSE DESCRIPTIONS - WINTER 2019

ELECTRICAL GROUNDING:

Students will use the codebook to determine and apply proper grounding practices. Class is approved for 4 hours MN state continue education credits This is a 4 night, 4 hour class. The instructor is Dave Porter.

3M FIRESTOP CERTIFICATION: < > NEW CLASS!!

This class provides an overview of firestop systems and their role in saving lives and property, with discussions on testing, technologies, and products that help prevent the spread of fire, smoke and toxic gases. Presenters: Dr. Paul Engen, Rodrigo Marmol and Paul Fannin all from 3M. Class is 1 night, 4 hours in length. Class is approved for 4 hours MN state continue education credits and certified by 3M.

<u>INSTRUMENTATION</u> - <u>EPRI Exam/Part A:</u>

You need to have successfully completed the instrumentation class to be eligible for this exam.

NATIONAL ELECTRICAL CODE CLASS:

These code review classes are supplemented with power point presentations. Included is an analysis of the 2017 NEC by both the International Association of Electrical Inspectors and the Electrical Licensing and Inspection Unit. This course has been approved by the MN Electrical Licensing and Inspection Unit for 16 hours of code. Instructors are as follows: Dave Porter, Dave Blank, Randy Klossner and Keith Setley. This class is also approved for Wisconsin and North Dakota.

NFPA - 70E, ELECTRICAL SAFETY WORK PRACTICES:

This course discusses the hazards encountered while working near or on energized equipment and the OSHA requirements to perform the work. The course is 2 nights, 3.5 hours each night and is taught by Lance Velander or Mike Wolf This class needs to be retaken every three years.

OSHA 10:

This course teaches the basics of construction safety and provides the means of finding and understanding the regulations that are covered in the OSHA code of federal regulations (CFR) 1926. The class covers various topics such as fall protection, electrical safety and hazardous communication as well as other areas most electricians will encounter on the job. This is a 3 night - 10 hour class.

PLANGRID: NEW CLASS!!

The JATC will be offering a 2 night PlanGrid class, 3 hours per night. This course is an introduction to software based blueprint reading with PlanGrid's current system. The instructor is Shawn Weyer. We can accommodate 25 students.

JW COURSE DESCRIPTIONS - WINTER 2019

PLC Programmable Logic Controls: NEW CLASS!!

The JATC will be offering a 10 night PLC class, 3 hours per night. Course work will consist of clearly directed lab exercises for a variety of Allen-Bradley CompactLogix (ControlLogix family) PLC hardware and Rockwell Automation RSLogix 5000 software applications. The supporting technical information will be provided through an interactive lecture and step-by-step tutorial documents. Basic instrumentation and networking strategies associated with automation technologies will be covered by interconnecting and controlling a variable frequency drive using Ethernet IP and exchanging data between peer PLCs. In addition, FactoryTalk Machine Edition programming software will be used to create applications for the PanelView Plus 600 operator interface terminals. Journeyworkers considering this course are encouraged to complete a selfstudy exercise prior to the start of the course. The introductory material will provide significant insight to the novice user as well as review for the more experienced. This exercise will cover basic PLC operation such as hardware components and their function, memory organization, number systems, fundamentals of logic and basic programming instructions. The study guide will link concepts to be studied to the specific location where the materials are presented in the accompanying *Programmable Logic Controllers* textbook. The study guide and textbook will be available at the JATC office on January 6, 2020. A credit card hold of \$100 will be charged pending return of the textbook once class completes. The National Electrical Code requirements for the installation of PLC hardware and Class 1 and Class 2 remotely control circuits will be reviewed. The instructor is Mike Buck. We can accommodate 14 students.

TRIMBLE: NEW CLASS!!

The JATC will be offering a 2 night Trimble class, 3 hours per night. This course is a basic introduction of vertical construction layout with Trimble's laser measuring robotic total station and prism pole. The instructor is Shawn Weyer. We can accommodate 8 students.

WELDING - (BASIC):

The JATC will be offering a 7 night basic Welding class, 3 hours per night. The instructor is Rick Dahlstrom who was in charge of the Welding program at St. Paul College and has retired. He will be teaching Stick and MIG Welding. Included is Acetylene and Plasma cutting techniques. We can accommodate 7 students.



Do you have a North Dakota license? Wisconsin license?

We are approved for continuing education credits on all our night Code classes for North Dakota and Wisconsin.

For WI, please call the JATC office after you've completed class.

For ND, class sign-in sheets will be available the night of class.

JW COSTS AND POLICIES - WINTER 2019

TUITION FEE POLICY – Local #110 members

A \$30.00 tuition fee is paid when you register for your 1st class of any school year. If you take more than one class between August 1, 2019 and July 31, 2020 you will not have to pay the \$30.00 tuition fee for any additional classes. You still have to pay any book or material fees if applicable.

TUITION FEE POLICY – Local #292 and #343 members

Local 292 and Local 343 will pay the \$30 tuition fee plus any additional book or material fees if applicable per class.

TUITION FEE POLICY - Outside IBEW members

IBEW electrician in good standing, who are not member of Local 110, Local 292 or Local 343 will be allowed to take classes, provided there is space available. A \$50 tuition fee plus any additional book or material fee if applicable per class.

REFUND POLICY - Code Weekend

If you register for a NEC Upgrade weekend class and do not show or cancel at least 5 days prior, you will not be reimbursed the \$20.00 intended for food.

MAKE-UP NEC CODE CLASSES:

If you miss a night of the 4 night code update class, you can make-up the hours by attending a class taught by that same instructor that you missed. You must attend all four instructors to get your 16 hours of credit. Please call the JATC to make sure the schedule for the night you choose has not been changed (i.e class cancelled, instructors swapping nights, etc).

You do not have to register or pay for make-up nights.

RECIPROCITY FOR 110 MEMBERS TAKING CLASSES AT LOCAL 292 AND LOCAL 343 JATC TRAINING CENTERS.

To register for a class at the #292 training center contact the Minneapolis JATC (763) 497-0072 or visit their website at www.mplsjatc.org. To Register for a class with #343, contact Andy Toft at (507) 529-7721.

JW CLASS	INSTRUCTOR	START	END	TIME	<u>STATE</u>	BOOK OR MATERIAL
		DATE	<u>DATE</u>		CREDIT	FEE/TUITION FEE
CABLE	Andy Clarkson	2/06/2020	4/23/2020	6:00 p.m.	16 Hrs	\$30.00/Tuition Fee
<u>SPLICING</u>	,			То		\$50.00/Material Fee
(Thursdays)				9:00 p.m.		\$80.00/TOTAL
				·		
CODE OF EXCELLENCE	Dave Porter	2/03/2020	2/03/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
(Monday)				То		\$5.00/Material Fee
				8:30 p.m.		\$35.00/TOTAL
CODE OF EXCELLENCE	Dave Porter	4/20/2020	4/20/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
(Monday)				То		\$5.00/Material Fee
				8:30 p.m.		\$35.00/TOTAL
CONDUIT BENDING	Nate Koska	4/06/2020	5/11/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
(Mondays)				То		\$20.00/Material Fee
				7:30 p.m.		\$50.00/TOTAL
CONTRACTOR 101	Various	4/07/2020	4/08/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
	Presenters			То		\$30.00/TOTAL
				8:30 p.m.		
CORE 4	Lance Velander	2/10/2020	2/10/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
(Monday)				То		\$10.00/Material Fee
				8:30 p.m.		\$40.00/TOTAL
CORE 4	Lance Velander	4/27/2020	4/27/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
(Monday)				То		\$10.00/Material Fee
				8:30 p.m.		\$40.00/TOTAL
CPR-FIRST AID	Ed Nelson	2/10/2020	2/17/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
(Mondays)	Mike Towle			То		\$25.00/Book Fee
				8:30 p.m.		\$55.00/TOTAL

JW CLASS	INSTRUCTOR	START DATE	END DATE	TIME	STATE CREDIT	BOOK OR MATERIAL FEE/TUITION FEE
CPR-FIRST AID (Wednesdays)	Ed Nelson Mike Towle	4/15/2020	4/22/2020	4:30 p.m. To 8:30 p.m.	N/A	\$30.00/Tuition Fee \$25.00/Book Fee \$55.00/TOTAL
ELECTRICAL GROUNDING (Mondays)	Dave Porter	3/16/2020	4/06/2020	4:30 p.m. To 8:30 p.m.	16 Hrs	\$30.00/Tuition Fee \$30.00/TOTAL
FIRE PROTECTION 3M (Tuesday)	3M Representatives	3/03/2020	3/03/2020	4:30 p.m. To 8:30 p.m.	4 Tech- nical Hrs	\$30.00/Tuition Fee \$30.00.00/TOTAL
FIRE PROTECTION 3M (Thursday)	3M Representatives	3/26/2020	3/26/2020	4:30 p.m. To 8:30 p.m.	4 Tech- nical Hrs	\$30.00/Tuition Fee \$30.00/TOTAL
INSTRUMENTATION CERTIFICATION/EPRI EXAM (Monday)	Test Proctor	3/04/2020 Prep Night 3/02/2020	3/04/2020 Prep Night 3/02/2020	4:30 p.m.	N/A	\$75.00/Exam Fee \$75.00/TOTAL
NFPA-70E—SAFETY IN THE WORKPLACE (Wednesdays)	Lance Velander	1/22/2020	1/29/2020	4:30 p.m. To 7:30 p.m.	N/A	\$30.00/Tuition Fee \$30.00/TOTAL
NFPA-70E-SAFETY IN THE WORKPLACE (Wednesdays)	Mike Wolf	3/04/2020	3/11/2020	4:30 p.m. To 7:30 p.m.	N/A	\$30.00/Tuition Fee \$30.00/TOTAL

JW CLASS	INSTRUCTOR	START DATE	END DATE	TIME	<u>STATE</u>	BOOK OR MATERIAL FEE/ TUITION FEE
NFPA-70E-SAFETY IN THE WORK-	Mike Wolf	4/08/2020	4/15/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
PLACE				То		\$30.00/TOTAL
(Wednesdays)				7:30 p.m.		
<u>OSHA</u>	Shawn Weyer	2/17/2020	3/02/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
				То		\$16.00/Book Fee
(Mondays)				8:30 p.m.		\$46.00/TOTAL
<u>OSHA</u>	Shawn Weyer	4/27/2020	5/11/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
				То		\$16.00/Book Fee
(Mondays)				8:30 p.m.		\$46.00/TOTAL
PLANGRID	Shawn Weyer	3/24/2020	3/31/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
		3, 2 3, 23 23	2,02,000	То	,	\$30.00/TOTAL
(Tuesdays)				7:30 p.m.		
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PLC	Mike Buck	2/05/2020	4/08/2020	4:30 p.m.	TBD	\$30.00/Tuition Fee
(Wednesdays)				To 7:45 p.m.	4 Hrs Technical	\$20.00/Material Fee \$50.00/TOTAL
(wednesdays)				7.43 p.m.	recillical	330.00/ TOTAL
TRIMBLE	Shawn Weyer	4/07/2020	4/14/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
				То		\$30.00/TOTAL
(Tuesdays)				7:30 p.m.		

JW CLASS	INSTRUCTOR	START	END	TIME	STATE	BOOK OR MATERIAL FEE/
		<u>DATE</u>	<u>DATE</u>			TUITION FEE
WELDING	Rick Dahlstrom	2/12/2020	3/25/2020	4:30 p.m.	N/A	\$30.00/Tuition Fee
				То		\$50.00/Material Fee
(Wednesdays)	<u>This Cla</u>	ss is FULL		7:30 p.m.		\$80.00/TOTAL

JW CODE SCHEDULE - WINTER 2019

JW CODE CLASSES	START DATE	END DATE	ACTUAL DATES OF CLASS AND INSTRUCTORS	TIME	STATE CREDIT	MATERIAL FEE TUITION FEE
(Based on the 2017 NEC)	1/07/2020	2/04/2020	1/07/2020 Dave Porter 1/14/2020 Dave Blank 1/21/2020 NO SESSION	4:30 p.m. To 8:30 p.m.	16 Hrs	\$30.00/Tuition Fee \$30.00 /TOTAL
Session One [7] (Tuesdays)	his Class	is FULL.	1/28/2020 Randy Klossner 2/04/2020 Keith Setley			
(Based on the 2017 NEC) Session Two (Thursdays)	1/09/2020	2/06/2020	1/09/2020 Dave Porter 1/16/2020 Dave Blank 1/23/2020 NO SESSION 1/30/2020 Randy Klossner 2/06/2020 Keith Setley	4:30 p.m. To 8:30 p.m.	16 Hrs	\$30.00/Tuition Fee \$30.00 /TOTAL
CODE CLASS (Based on the 2017 NEC) Session Three (Tuesdays)	2/11/2020	3/10/2020	2/11/2020 Dave Porter 2/18/2020 NO SESSION 2/25/2020 Dave Blank 3/03/2020 Randy Klossner 3/10/2020 Keith Setley	4:30 p.m. To 8:30 p.m.	16 Hrs	\$30.00/Tuition Fee \$30.00/TOTAL

JW CODE SCHEDULE - WINTER 2019

JW CODE	<u>START</u>	<u>END</u>	ACTUAL DATES OF CLASS	TIME	STATE	BOOK OR
CLASSES	<u>DATE</u>	DATE	AND		CREDIT	MATERIAL FEE
			<u>INSTRUCTORS</u>			TUITION FEE
CODE CLASS	2/13/2020	3/12/2020	2/13/2020 Dave Porter	4:30 p.m.	16 Hrs	\$30.00/Tuition F <u>ee</u>
(Based on the			2/20/2020 NO SESSION	То		\$30.00/TOTAL
<u>2017 NEC)</u>			2/27/2020 Dave Blank	8:30 p.m.		
Session Four			3/05/2020 Randy Klossner			
(Thursdays)			3/12/2020 Keith Setley			
CODE CLASS	3/24/2020	4/14/2020	3/24/2020 Dave Porter	4:30 p.m.	16 Hrs	\$30.00/Tuition Fee
(Based on the			3/31/2020 Dave Blank	То		\$30.00/TOTAL
2017 NEC)			4/07/2020 Randy Klossner	8:30 p.m.		
Session Five			4/14/2020 Keith Setley			
(Tuesdays)						
CODE CLASS	3/26/2020	4/16/2020	3/26/2020 Dave Porter	4:30 p.m.	16 Hrs	\$30.00/Tuition Fee
(Based on the			4/02/2020 Dave Blank	То		\$30.00/TOTAL
2017 NEC)			4/09/2020 Randy Klossner	8:30 p.m.		
Session Six			4/16/2020 Keith Setley			
(Thursdays)						
CODE CLASS	4/28/2020	5/26/2020	4/28/2020 Dave Porter	4:30 p.m.	16 Hrs	\$30.00/Tuition Fee
(Based on the			5/05/2020 Dave Blank	То		\$30.00/TOTAL
2017 NEC)			5/12/2020 Randy Klossner	8:30 p.m.		
Session Seven			5/19/2020 NO SESSION			
(Tuesdays)			5/26/2020 Keith Setley			
CODE CLASS	4/30/2020	5/28/2020	4/30/2020 Dave Porter	4:30 p.m.	16 Hrs	\$30.00/Tuition Fee
(Based on the			5/07/2020 Dave Blank	То		\$30.00/TOTAL
<u>2017 NEC)</u>			5/14/2020 Randy Klossner	8:30 p.m.		
Session Eight			5/21/2020 NO SESSION			
(Thursdays)			5/28/2020 Keith Setley			

JW CODE WEEKEND SCHEDULE - WINTER 2019

JATC TRAINING CENTER

TRAINING CENTER	INSTRUCTORS	<u>START</u>	END	<u>TIME</u>	<u>STATE</u>	TUITION
WEEKEND CODE		<u>DATE</u>	<u>DATE</u>		CREDIT	FEE
CLASS						
WEEKEND	Dave Porter	2/08/2020	2/09/2020	8:00 a.m.	16 Hrs	\$50.00/TOTAL
CODE	Dave Blank			То		
CLASS	Randy Klossner			4:30 p.m.		
	Keith Setley					
WEEKEND	Dave Porter	3/28/2020	3/29/2020	8:00 a.m.	16 Hrs	\$50.00/TOTAL
CODE	Dave Blank			То		
CLASS	Randy Klossner			4:30 p.m.		
	Keith Setley					

CAMBRIDGE - Nessel Town Hall, 49205 Acacia Trial, Stanchfield, MN 55080

CAMBRIDGE	INSTRUCTORS	<u>START</u>	<u>END</u>	TIME	<u>STATE</u>	TUITION
WEEKEND CODE		<u>DATE</u>	<u>DATE</u>		CREDIT	<u>FEE</u>
CLASS						
WEEKEND	Cari Helberg	1/25/2020	1/26/2020	8:00 a.m.	16 Hrs	\$50.00/TOTAL
CODE				То		
CLASS				4:30 p.m.		

FARIBAULT - Moose Lodge, 1810 - 4th St NW, Faribault, MN 55021

<u>FARIBAULT</u>	INSTRUCTORS	START	<u>END</u>	TIME	STATE	TUITION
WEEKEND CODE		<u>DATE</u>	<u>DATE</u>		CREDIT	FEE
CLASS						
WEEKEND	Cari Helberg	3/07/2020	3/08/2020	8:00 a.m.	16 Hrs	\$50.00/TOTAL
CODE				То		
CLASS				4:30 p.m.		



INCLEMENT WEATHER:

Go to our website for any information regarding cancelled classes. www.jatc110.org. Any classes that are cancelled need to be made up at another time in order for you to receive state credit.

NEW NFPA 70E GUIDELINES

According to the NFPA-70E standard guidelines, retraining in safety related work practices and applicable changes in this standard <u>SHALL</u> be performed at intervals not to exceed three years.

We have scheduled additional courses to meet these requirements. Register for class ASAP.



For information regarding your license renewal go to: www.dli.mn.gov

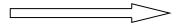
It is mandatory that you receive 16 hours of training every two (2) years in order to renew your Minnesota State Electrical License. It is your responsibility to schedule a class before your license has to be renewed. The JATC OFFICE IS NOT RESPONSIBLE IF YOUR LICENSE EXPIRES. If you have not been notified by the JATC two weeks prior to your requested class start date, it is your responsibility to contact our office.

Classes fill up rapidly and class size is limited. If you delay it might not be possible to get the class of your choice. The JATC office along with the Electrical Licensing and Inspection Unit needs time to do the paperwork involved with crediting your class. Allow at least 2 weeks after class completion for all the paperwork to be submitted. We are dealing with a large membership—please plan ahead.

THREE EASY WAYS TO REGISTER FOR CLASS:

- 1. Register in-person at the JATC Training Center using a credit/debit card or cash.
- 2. Register by telephone 651-772-8746 using a credit/debit card.
- 3. Register on-line at http://www.jatc110.org using a credit or debit card.

*Scan the code for direct website access.



Don't forget to click the **SUBMIT BUTTON!**

A confirmation number will ensure your registration went through.



All of our classes are held at the Electrical Industry Building in the Training Center. Once you enter the training center there is a monitor in the hall indicating the room number for your class.

The door to the Electrical Industry Building automatically locks at 5:00 p.m. so make sure you are on time for class.