

# Madison Area Electrical JATC Educational Course Offerings

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November 2018 Edition

**Revised**

**11/05/18**

The Madison Area Electrical Joint Apprenticeship and Training Committee (JATC) is pleased to offer the following courses to all participants of the Madison Area Electrical JATT. For registration or questions, please contact the Apprenticeship and Training Office at 608.221.3321.

## Madison Area Electrical Joint Apprenticeship and Training Committee

### 2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS

Please contact the Apprenticeship and Training office at 608.221.3321 to register for any of the below listed courses. There are no course fees for classes offered at the IBEW Local 159 Training Center. For more course details, including a brief course description, please see the following pages.

DATE	COURSE	DAY & TIME	LOCATION
TBD	Box Sizing and Fill Instructor –Bill Neitzel Course Number: 1995	OPEN 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU
10/13/2018	Significant Changes to the 2017 NEC Instructors –Kroth/Freespirit/Wagner Course Number: 1997	Saturday 7:00 a-3:30 pm	Local 159 Training Center 8 hrs. – 8 CEU
<del>11/05/2018</del>	<del>Electrical Compliance with 2015 IBC Instructor –Bill Neitzel Course Number: 1999</del>	<del>Monday 4:30-7:30 pm</del>	<del>Local 159 Training Center 3 hrs. – 3 CEU</del>
11/17/2018	First Aid/CPR Course Number: 1905 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
11/26/2018 – 12/19/2018	OSHA-30 (Section A) Course Number: 1883 Instructor – Crabb/ Freespirit	Mon. – Wed. 4:30 - 8:30 pm	Local 159 Training Center 32 hrs. – 32 CEU
01/07/2019 – 02/25/2019	Electrician Exam Prep (Section A) Instructor – Ed Kroth Course Number: 1896	Mondays 4:30-7:30 pm	Local 159 Training Center 21 hrs. – 18 CEU
01/09/2019 – 02/27/2019	OSHA-30 (Section B) Course Number: 1884 Instructor – Crabb/ Freespirit	Wednesdays 4:30 - 8:30 pm	Local 159 Training Center 32 hrs. – 32 CEU
01/12/2019	First Aid/CPR Course Number: 1906 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
01/19/2019	Conduit-Bending Basics Course Number: 1996 Instructors – Sam Everly/Jeremy Crabb	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
01/26/2019	First Aid/CPR Course Number: 1907 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
02/09/2019	First Aid/CPR Course Number: 1908 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
02/16/2018	Significant Changes to the 2017 NEC Instructors – Kroth/Freespirit/Wagner Course Number: 1998	Saturday 7:00 a-3:30 pm	Local 159 Training Center 8 hrs. – 8 CEU
02/23/2019	First Aid/CPR Course Number: 1909 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
03/02/2019	First Aid/CPR Course Number: 1910 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
03/04/2019 – 04/15/2019	Electrician Exam Prep (Section B) – IF Needed Instructor – Ed Kroth Course Number: 1897	Mondays 4:30-7:30 pm	Local 159 Training Center 21 hrs. – 18 CEU
03/06/2019 – 03/20/2019	OSHA-10 Instructor – Crabb Course Number: 1904	Wednesdays 4:30 – 8:30 pm	Local 159 Training Center 12 hrs. – 10 CEU
03/23/2019	First Aid/CPR Course Number: 1911 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
TBD	Emergency, Legally Required, Generators Instructor –Bill Neitzel Course Number: 2000	OPEN 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU
04/06/2019	First Aid/CPR (if needed) Course Number: 1912 Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
04/16/2019	Conductor Installation Instructor –Bill Neitzel Course Number: 2001	Tuesday 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS

Contact the Apprenticeship and Training Office at 608.221.3321 to register for any of the below listed courses.

### First Aid/CPR

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
 DATE: Saturday, November 17, 2018  
 TOTAL HRS: 8 hrs. (1 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 20

**COURSE #:** 1905  
**FEE:** \$56.00  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:** 17 apprentices  
 1 journey worker

Heartsaver® First Aid CPR AED is a classroom, video-based, instructor-led course that teaches students critical skills needed to respond to and manage a first aid, choking or sudden cardiac arrest emergency in the first few minutes until emergency medical services (EMS) arrives. Students learn skills such as how to treat bleeding, sprains, broken bones, shock and other first aid emergencies. This course also teaches adult CPR and AED use. Completers will receive American Heart Association First Aid/CPR/AED certifications that are valid for two years.

### OSHA 30 (Section A)

INSTRUCTOR: Jeremy Crabb/Maggie Freespirit  
 DATE: Start: Monday, November 26, 2018  
 End: Wednesday, December 19, 2018

**COURSE #:** 1883  
**FEE:** \$210.00  
**TIME:** 4:30p – 8:30p

Course meets twice weekly on Monday and Wednesday

TOTAL HRS: 32 hrs. (8 class sessions)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 38

**# OF CEU:** 32 CEU  
**ROOM:** Classroom B  
**# ENROLLED:** 30 apprentices  
 0 journey workers

The OSHA 30-hour Construction Industry Outreach Training course is a comprehensive safety program designed for anyone involved in the construction industry. Upon successful completion of the course, participants will receive an OSHA 30-Hour Construction Outreach DOL course completion card.

### Electrician Exam Prep (Section A)

INSTRUCTOR: Ed Kroth  
 DATE: Start: Monday, January 7, 2019  
 End: Monday, February 25, 2019  
 TOTAL HRS: 21 hrs. (7 class sessions)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 25

**COURSE #:** 1896  
**FEE:** \$147.00  
**TIME:** 4:30p – 7:30p  
 (Skip: 02/18/19)  
**# OF CEU:** 18 CEU  
**ROOM:** Classroom B  
**# ENROLLED:** 15 apprentices  
 0 journey workers

During this course students become familiar with the National Electrical Code (NEC), how they apply the Codeology method to identify the correct section of the NEC, as well as learn various test taking tips. Students will utilize the 2017 Edition of the NEC, Journeyman Electrician's Exam Workbook based on the 2017 NEC, 2017 SPS316 and additional handouts. There will be several test samples used during the course with additional review questions provided. There is a textbook fee if you would like to purchase the textbook.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS

### OSHA 30 (Section B)

**INSTRUCTOR:** Jeremy Crabb/Maggie Freespirit  
**DATE: Start:** Wednesday, January 9, 2019  
**End:** Wednesday, February 27, 2019  
**TOTAL HRS:** 32 hrs. (8 class sessions)  
**LOCATION:** Local 159 Training Center  
**CLASS MIN:** 10  
**CLASS MAX:** 38

**COURSE #:** 1884  
**FEE:** \$210.00  
**TIME:** 4:30p – 8:30p  
**# OF CEU:** 32 CEU  
**ROOM:** Classroom B  
**# ENROLLED:** 29 apprentices  
 0 journey workers

See previous description.

### First Aid/CPR

**INSTRUCTOR:** J Crabb/A Swartz/T Schleicher  
**DATE:** Saturday, January 12, 2019  
**TOTAL HRS:** 8 hrs. (1 class session)  
**LOCATION:** Local 159 Training Center  
**CLASS MIN:** 10  
**CLASS MAX:** 20

**COURSE #:** 1906  
**FEE:** \$56.00  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:** 15 apprentices  
 1 journey worker

See prior course description.

### Conduit Bending Basics

**INSTRUCTOR:** Sam Everly/Jeremy Crabb  
**DATE:** Saturday, January 19, 2019  
**TOTAL HRS:** 8 hrs. (1 class session)  
**LOCATION:** Local 159 Training Center  
**CLASS MIN:** 10  
**CLASS MAX:** 18

**COURSE #:** 1996  
**FEE:**  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEUs  
**ROOM:** Lab  
**# ENROLLED:** 2 journey workers

After completing Conduit Bending Basics you will be able to Measure, Calculate, and Bend 90's, Offsets, Three and Four Bend Saddles. Class will be eight hours long with Two hours spent on each Bend. To pass this class you must be able to show the instructor you can Measure, Calculate, and Bend all four bends

### First Aid/CPR

**INSTRUCTOR:** J Crabb/A Swartz/T Schleicher  
**DATE:** Saturday, January 26, 2019  
**TOTAL HRS:** 8 hrs. (1 class session)  
**LOCATION:** Local 159 Training Center  
**CLASS MIN:** 10  
**CLASS MAX:** 20

**COURSE #:** 1907  
**FEE:** ???  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:** 15 apprentices

See prior course description.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS

### First Aid/CPR

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
DATE: Saturday, February 09, 2019  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 20

**COURSE #:** 1908  
**FEE:** \$56.00  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:** 14 apprentices

See prior course description.

### Significant Changes to the 2017 NEC

INSTRUCTOR: E Kroth/M Freespirit/M Wagner  
DATE: Saturday, February 16, 2019  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 12  
CLASS MAX: 60

**COURSE #:** 1998  
**FEE:**  
**TIME:** 7:00a – 3:30p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A & B  
**# ENROLLED:** 1 journey worker

See prior course description.

### First Aid/CPR

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
DATE: Saturday, February 23, 2019  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 20

**COURSE #:** 1909  
**FEE:** \$56.00  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:** 18 apprentices

See prior course description.

### First Aid/CPR

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
DATE: Saturday, March 02, 2019  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 20

**COURSE #:** 1910  
**FEE:** \$56.00  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:** 12 apprentices

See prior course description.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS

<b>Electrician Exam Prep (Overflow; if needed)</b>		<b>COURSE #:</b>	<b>1897</b>
INSTRUCTOR:	Ed Kroth	FEE:	
DATE: Start:	Monday, March 04, 2019 (if needed)	TIME:	4:30p – 7:30p
End:	Monday, April 15, 2019		
TOTAL HRS:	21 hrs. (7 class sessions)	# OF CEU:	18 CEU
LOCATION:	Local 159 Training Center	ROOM:	Classroom A
CLASS MIN:	10	# ENROLLED:	0
CLASS MAX:	25		

Note: This course will only run if Section A (Course number 1896) fills.  
See prior course description.

<b>OSHA 10</b>		<b>COURSE #:</b>	<b>1904</b>
INSTRUCTOR:	Jeremy Crabb/Maggie Freespirit	FEE:	\$70.00
DATE: Start:	Wednesday, March 06, 2019	TIME:	4:30p – 8:30p
End:	Wednesday, March 20, 2019		
TOTAL HRS:	12 hrs. (3 class session)	# OF CEU:	10 CEUs
LOCATION:	Local 159 Training Center	ROOM:	Classroom B
CLASS MIN:	10	# ENROLLED:	2 apprentices
CLASS MAX:	19		1 journey worker

The OSHA 10 Hour Construction Industry Outreach Training Program is intended to provide an entry level construction worker's general awareness on recognizing and preventing hazards on a construction site. Upon successful completion of the course, participants will receive an OSHA 10-Hour Construction Outreach DOL course completion card.

<b>First Aid/CPR</b>		<b>COURSE #:</b>	<b>1911</b>
INSTRUCTOR:	J Crabb/A Swartz/T Schleicher	FEE:	\$56.00
DATE:	Saturday, March 23, 2019	TIME:	7:30a – 4:00p
TOTAL HRS:	8 hrs. (1 class session)	# OF CEU:	8 CEU
LOCATION:	Local 159 Training Center	ROOM:	Classroom A
CLASS MIN:	10	# ENROLLED:	17 apprentices
CLASS MAX:	20		

See prior course description.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS

### Emergency – Legally Required – Generators

**COURSE #: 2000**

INSTRUCTOR:	Bill Neitzel	FEE:	
DATE:	TBD; Spring 2019	TIME:	4:30p – 7:30p
TOTAL HRS:	3 hrs. (1 class session)	# OF CEU:	3 CEUs
LOCATION:	Local 159 Training Center	ROOM:	Classroom TBD
CLASS MIN:	10	# ENROLLED:	0
CLASS MAX:	24		

This course will provide students with an understanding of the rules in Article 700 (Emergency Systems) and Article 701 (Legally Required Systems) of the National Electrical Code (NEC). Participants in this course will compare the requirements of Article 700 and Article 701 of the NEC to the International Building Code (IBC) and the National Fire Protection Association (NFPA) requirements. Students will learn the different IBC and NFPA requirements that pertain to electricians on a regular basis.

### First Aid/CPR

**COURSE #: 1912**

INSTRUCTOR:	J Crabb/A Swartz/T Schleicher	FEE:	\$56.00
DATE:	Saturday, April 6, 2019 (if needed)	TIME:	7:30a – 4:00p
TOTAL HRS:	8 hrs. (1 class session)	# OF CEU:	8 CEU
LOCATION:	Local 159 Training Center	ROOM:	Classroom A
CLASS MIN:	10	# ENROLLED:	0
CLASS MAX:	22		

See prior course description. This course will only run if needed.

### Conductor Installations

**COURSE #: 2001**

INSTRUCTOR:	Bill Neitzel	FEE:	
DATE:	Tuesday, April 16, 2019	TIME:	4:30p – 7:30p
TOTAL HRS:	3 hrs. (1 class session)	# OF CEU:	3 CEUs
LOCATION:	Local 159 Training Center	ROOM:	Classroom A
CLASS MIN:	10	# ENROLLED:	1 journey worker
CLASS MAX:	24		

This course will provide students with an understanding of the NEC requirements related to cable and conductor installations. Students will learn about the markings required on cables and conductors and what they mean. This course will review the termination requirements in Article 110.14 and other rules pertaining to terminations. Participants in this course will solve problems to help refine their understanding of the calculations used for conductor installations as they relate to Article 310, Chapter 9 and other sections of the NEC®.

# **Madison Area Electrical Joint Apprenticeship and Training Committee**

## **2018 – 2019 CONTINUING EDUCATION COURSE OFFERINGS**

### **Class Registration**

**To register, call the Apprenticeship and Training Office at (608) 221-3321**

1. Registration deadline is 2 weeks prior to the class start. This allows ample time to order and receive textbooks and workbooks prior to the start of class.
  - a. Pre-registration for all course offerings is required.
  - b. Please note that all courses have a minimum enrollment number for the course to commence. As a result, all course schedules are subject to change and/or cancelation.
2. The Madison Area Electrical Joint Apprenticeship and Training Trust Committee will provide Continuing Education courses at IBEW Local 159's Training Center with no tuition cost for members in all classifications.
  - a. Effective July 28, 2015, the Madison Area Electrical Joint Apprenticeship and Training Trust has ended their Course Tuition Reimbursement Policy for all classifications except Inside (Construction) Apprentices, and Voice, Data, Video Apprentices.
3. The training trust fund will provide the necessary textbooks for use in the courses. The textbooks are to be returned at the completion of the course. The textbooks are available for purchase upon request.
  - a. Attendees that fail to return or provide payment for the textbooks will be prohibited from registering for future classes until the matter is resolved.
  - b. Attendees that wish to purchase the course materials must do so before retaining possession of the materials. (No billing; must be paid in full with check or money order prior to the conclusion of the course).
4. UPON DEMAND classes all maintain an active waiting list of members that are interested in taking the course. When enough names are on the waiting list, a firm start date will be set and the Class Schedule will be updated.
  - a. Please contact the Apprenticeship and Training Office to have your name placed on the waiting list for a specific course.

**The Madison Area Electrical Joint Apprenticeship and Training Trust (JATT) Education Sub – Committee is actively seeking individuals who are willing to become involved in strengthening the educational team. If you have an interest in teaching or assisting with a course, please feel free to contact any Education Sub – Committee member, IBEW 159, or the Apprenticeship and Training Office. There are many opportunities available and training is provided. Applications are available at IBEW Local 159.**

The Madison Area Electrical Joint Apprenticeship and Training Committee (JATC), IBEW Local 159, and Madison Area Electrical Joint Apprenticeship and Training Trust (JATT) Education Sub – Committee are requesting feedback in regards to possible future course offerings.

Please contact IBEW Local 159 or the Madison Area Electrical Joint Apprenticeship and Training Trust (JATT) Education Sub – Committee member comments about any courses that you have attended.