

# Madison Area Electrical JATC Educational Course Offerings

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September 2017 Edition

Revised  
08/28/2017

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

### 2017 – 2018 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
09/27/2017	Ideal National Tool Challenge Cosponsored by Ideal & Graybar	Wednesday 3:30 – 6:30 pm	Local 159 Training Center Prizes/Giveaways Available
10/24/2017	3M Medium Voltage Cable Splicing Instructor – J Crimmings, 3M Acct. Rep. Course Number: <b>1632</b>	Tuesday 4:30 - 7:30 pm	Local 159 Training Center 3.0 hrs. – 3.5 CEU
10/28/2017	Data Cabling 101 Instructor – Brian Russ Course Number: <b>1633</b>	Saturday 8:00a - noon	Local 159 Training Center 4 hrs. – 4 CEU
11/01/2017	Crouse Hinds Harsh Enviro. Training Instructor – Jay Longley Sales Rep Course Number: <b>1645</b>	Wednesday 4:30 – 6:30 pm	Local 159 Training Center 2 hrs. – 2 CEU
11/04/2017	Conduit-Bending Basics Course Number: <b>1634</b> Instructors – Sam Everly/Jeremy Crabb	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
11/11/2017	First Aid/CPR Course Number: <b>1635</b> Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
11/28/2017 – 12/20/2017	OSHA-30 (Section A) Instructor – Crabb/Noel Course Number: <b>1642</b>	Tues. – Wed. 5:00 - 9:00 pm	Local 159 Training Center 32 hrs. – 32 CEU
Fall 2017 Date Pending	Intermatic Electronic Controllers Instructor – Intermatic Sales Rep Course Number: <b>1644</b>	OPEN 5:00 – 7:00 pm	Local 159 Training Center 2 hrs. – 2 CEU
Fall 2017 Date Pending	Introduction to Electric Benders (881 & 555) Instructor – B Kessler, Greenlee Tool Specialist Course Number: <b>1646</b>	OPEN 5:00-8:00 pm	Local 159 Training Center 3 hrs. – 3 CEU
Various Fall & Spring 2017/2018	Various Bill Neitzel Courses <b>Course schedule being developed, additional details to follow.</b>	Pending	To Be Determined
01/10/2018 – 02/07/2018	NFPA 70E (Elec. Safety Related Wrk. Pract.) Instructor – Matthew Wilkinson Course Number: <b>1647</b>	Wednesday 5:00-8:00 pm <sup>(1<sup>st</sup>)</sup> 5:00-8:15 pm <sup>(rest)</sup>	Local 159 Training Center 16 hrs. – 16 CEU
01/27/2018	First Aid/CPR Course Number: <b>1636</b> Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
January 2018 Date Pending	OSHA-10 Instructor – Crabb Course Number: <b>1648</b>	Tues. – Wed. 5:00 - 9:00 pm	Local 159 Training Center 12 hrs. – 10 CEU
February 2018 Date Pending	OSHA-30 (Section B) Instructor – Crabb Course Number: <b>1643</b>	Tues. – Wed. 5:00 - 9:00 pm	Local 159 Training Center 32 hrs. – 32 CEU
01/2018 Dates Pending	Electrician Exam Prep (Section A) Instructor – Ed Kroth Course Number: <b>1588</b>	Open 4:30-7:30 pm	Local 159 Training Center 21 hrs. – 18 CEU
02/10/2018	First Aid/CPR Course Number: <b>1637</b> Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
02/10/2018	Intro to Elec. Safety Related Wrk. Pract. (NFPA 70E) Instructor – Matthew Wilkinson Course Number: <b>1649</b>	Saturday 7:30 a -2:00 pm	Local 159 Training Center 6 hrs. – 6 CEU
02/24/2018	First Aid/CPR Course Number: <b>1638</b> Instructors –Crabb/Swartz/Schleicher	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
02/2018 Date Pending	Significant Changes to the 2017 NEC Instructors –Kroth/Freespirit/Wagner Course Number: <b>1650</b>	Saturday 7:00 a–3:30 pm	Local 159 Training Center 8 hrs. – 8 CEU

**Madison Area Electrical Joint Apprenticeship and Training Committee**  
**2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS**

03/03/2018	First Aid/CPR Instructors –Crabb/Swartz/Schleicher	Course Number: <b>1639</b>	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
03/24/2018	First Aid/CPR Instructors –Crabb/Swartz/Schleicher	Course Number: <b>1640</b>	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
03/2018 Date Pending	Significant Changes to the 2014 NEC Instructors – Kroth/Freespirit/Wagner	Course Number: <b>1651</b>	Saturday 7:00 a–3:30 pm	Local 159 Training Center 8 hrs. – 8 CEU
04/07/2017	First Aid/CPR (if needed) Instructors –Crabb/Swartz/Schleicher	Course Number: <b>1641</b>	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
Date Pending	Introduction to the Greenlee 555 Electric Bender Instructor – Kevin Klepper	Course Number <b>1652</b>	OPEN 5:00 – 8:00 pm	Local 159 Training Center 3 hrs. – 3 CEU
Date Pending	90° Bends with Greenlee 555 Electric Bender Instructor – Kevin Klepper	Course Number <b>1653</b>	OPEN 5:00 – 8:00 pm	Local 159 Training Center 3 hrs. – 3 CEU
Date Pending	Offset Bends with the Greenlee 555 Elect. Bender Instructor – Kevin Klepper	Course Number <b>1654</b>	OPEN 5:00 – 8:00 pm	Local 159 Training Center 3 hrs. – 3 CEU

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

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

### **Ideal National Tool Challenge**

PROVIDER: Ideal Tools & Graybar  
DATE: Wednesday, September 28, 2017  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center

**COURSE #:** NONE  
FEE: None  
TIME: 3:30 – 6:30 p  
# OF CEU: None  
ROOM: Classroom a & Lab

Show your skills and compete for over \$500,000 in cash and prizes at the Ideal National Championship Competition. Register for the competition and find out more at [www.idealnationals.com](http://www.idealnationals.com).

Show up, have fun, eat some food, and have the chance to win prizes and go to an all-expense paid trip to the national competition in Orland. Graybar will have representatives present at this event with displays and Ideal tools for sale at special pricing.

### **3M Medium Voltage Cable Splicing**

INSTRUCTOR: J Crimmings (3M Rep)  
DATE: Tuesday, October 24, 2017  
TOTAL HRS: 3 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 8

**COURSE #:** 1632  
FEE: None  
TIME: 4:30p – 7:30p  
# OF CEU: 3.5 CEU  
ROOM: Classroom A  
# ENROLLED: 0

**CLASS MAX:** 15

This hands-on Training Session takes on a dynamic approach, with a healthy 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. Course topics include: medium voltage cable theory and design considerations, design of medium voltage cable, components and types of power cable, cable preparation session (tips and pitfalls), cable splicing and terminating methodologies.

Students who complete and pass the training will receive a Certificate of Completion. The certificate signifies the student has completed cable preparation and has correctly installed specific splice or termination kits.

### **Data Cabling 101**

INSTRUCTOR: Brian Russ  
DATE: Saturday, October 28, 2017  
TOTAL HRS: 4 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 20

**COURSE #:** 1633  
FEE: None  
TIME: 8:00a – 12:00 p  
# OF CEU: 4 CEU  
ROOM: Lab  
# ENROLLED: 0

The course will focus on hands-on activities with terminating telecommunication products, testing, labeling, while discussing proper installation guidelines, and best practices to follow during the installation and maintenance of data networking equipment and materials. The course will demonstrate the importance of conducting field assessments and applying industry standards. This will be demonstrated in conjunction with the requirements that are outlined in the respective installation guides provided with the networking equipment and materials.

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

## **2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS**

### **Crouse Hinds Harsh Elements Training**

INSTRUCTOR: Lakeshore Electrical Sales Rep  
DATE: Wednesday, November 1, 2017  
TOTAL HRS: 2 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 8  
CLASS MAX: 20

**COURSE #:** 1645  
FEE: None  
TIME: 4:30p – 6:30p  
# OF CEU: 2 CEU  
ROOM: Classroom A  
# ENROLLED: 0

This vendor lead Training Session takes on a dynamic approach, with a healthy balance of theory/lecture and product review. Additional course description coming soon.

### **Conduit Bending Basics**

INSTRUCTOR: Sam Everly/Jeremy Crabb  
DATE: Saturday, November 4, 2017  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 16

**COURSE #:** 1634  
FEE: None  
TIME: 7:30a – 4:00p  
# OF CEU: 8 CEUs  
ROOM: Lab  
# ENROLLED: 0

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, November 11, 2017  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 22

**COURSE #:** 1635  
FEE: None  
TIME: 7:30a – 4:00p  
# OF CEU: 8 CEU  
ROOM: Classroom B  
# ENROLLED:

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.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

### OSHA 30 (Section A)

<b>COURSE #:</b>	<b>1642</b>
INSTRUCTOR:	Jeremy Crabb/Jerry Noel
FEE:	None
DATE: Start:	Tuesday, November 28, 2017
TIME:	4:30p – 8:30p
End:	Wednesday, December 20, 2017
	Course meets twice weekly on Tuesday and Wednesday
TOTAL HRS:	32 hrs. (8 class sessions)
# OF CEU:	32 CEU
LOCATION:	Local 159 Training Center
ROOM:	Classroom A
CLASS MIN:	10
# ENROLLED:	
CLASS MAX:	40

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.

### Intermatic Electronic Controllers

<b>COURSE #:</b>	<b>1644</b>
INSTRUCTOR:	Intermatic Sales Rep
FEE:	None
DATE:	TBD, Fall 2017
TIME:	5:00p – 7:00p
TOTAL HRS:	2 hrs. (1 class session)
# OF CEU:	2 CEU
LOCATION:	Local 159 Training Center
ROOM:	Classroom A
CLASS MIN:	8
# ENROLLED:	0
CLASS MAX:	20

This vendor lead Training Session takes on a dynamic approach, with a healthy balance of theory/lecture and product review. Additional course description coming soon.

### Introduction to Electric Benders (881 & 555)

<b>COURSE #:</b>	<b>1646</b>
INSTRUCTOR:	Brian Kessler (Greenlee Tools)
FEE:	None
DATE:	TBD, Fall 2017
TIME:	5:00p – 8:00p
TOTAL HRS:	3 hrs. (1 class session)
# OF CEU:	3 CEU
LOCATION:	Local 159 Training Center
ROOM:	Lab
CLASS MIN:	8
# ENROLLED:	0
CLASS MAX:	16

During this course students will be shown the proper procedure for use of an electric bender. Greenlee will be bringing their custom promotional truck and trailer fully stocked with various equipment sold under the Greenlee name. Some equipment expected to be showcased may include their new 854 Bender and Cable Tray Wire Puller. Instructors will be using the 881 & 555 Bender to demonstrate the proper way to use an Electric Bender safely, effectively, and efficiently.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

### **NFPA 70E (Electrical Safety Related Work Practices)**

INSTRUCTOR: Matthew Wilkinson  
 DATE: Start: Monday, January 10, 2018  
       End: Monday, February 7, 2018  
 TOTAL HRS: 16 hrs. (4 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 24

**COURSE #:** 1647  
**FEE:** None  
**TIME:** 4:30p – 7:30p (First Night)  
 (Remaining Nights) 4:30p – 7:45p  
**# OF CEU:** 16 CEUs  
**ROOM:** Classroom A  
**# ENROLLED:** 0

During this course students will be presented with background information for electrical safety in the workplace training. Topics to be covered include definitions, terminology, training requirements for on the job applications, and introduction to procedures on how to recognize and avoid electrical hazards in the workplace. Please note that this is an introductory awareness course only, and provides no certification. Students are still required to receive additional training from their employer on how to recognize and avoid the specific electrical hazards they may encounter on the job.

### **First Aid/CPR**

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
 DATE: Saturday, January 27, 2018  
 TOTAL HRS: 8 hrs. (1 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 22

**COURSE #:** 1636  
**FEE:** None  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:**

See prior course description.

### **OSHA 10**

INSTRUCTOR: Jeremy Crabb  
 DATE: Start: TBD, Spring 2018  
       Course meets twice weekly on Tuesday and Wednesday  
 TOTAL HRS: 12 hrs. (4 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 19

**COURSE #:** 1648  
**FEE:** None  
**TIME:** 4:30 to 7:30  
**# OF CEU:** 10 CEUs  
**ROOM:** Classroom A  
**# ENROLLED:** 0

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.

# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

### OSHA 30 (Section B)

<b>COURSE #:</b>	<b>1643</b>
INSTRUCTOR:	Jeremy Crabb
FEE:	None
DATE: Start:	TBD, Spring 2018
TIME:	4:30p – 8:30p
	Course meets twice weekly on Tuesday and Wednesday
TOTAL HRS:	32 hrs. (8 class sessions)
# OF CEU:	32 CEU
LOCATION:	Local 159 Training Center
ROOM:	Classroom A
CLASS MIN:	10
# ENROLLED:	0
CLASS MAX:	19

See prior course description.

### Electrician Exam Prep

<b>COURSE #:</b>	<b>1588</b>
INSTRUCTOR:	Ed Kroth
FEE:	None
DATE: Start:	TBD, Spring 2018
TIME:	4:30p – 7:30p
TOTAL HRS:	21 hrs. (7 class sessions)
# OF CEU:	18 CEU
LOCATION:	Local 159 Training Center
ROOM:	Classroom A
CLASS MIN:	10
# ENROLLED:	
CLASS MAX:	30

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 2011 Edition of the NEC, Journeyman Electrician's Exam Workbook based on the 2011 NEC, SPS316 and additional handouts. There will be several test samples used during the course with additional review questions provided. There is a book fee if you would like to purchase the textbook.

### First Aid/CPR

<b>COURSE #:</b>	<b>1637</b>
INSTRUCTOR:	J Crabb/A Swartz/T Schleicher
FEE:	None
DATE:	Saturday, February 10, 2018
TIME:	7:30a – 4:00p
TOTAL HRS:	8 hrs. (1 class session)
# OF CEU:	8 CEU
LOCATION:	Local 159 Training Center
ROOM:	<u>Classroom B</u>
CLASS MIN:	10
# ENROLLED:	
CLASS MAX:	22

See prior course description.



# Madison Area Electrical Joint Apprenticeship and Training Committee

## 2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

### Intro to Electrical Safety Related Work Practices (NFPA 70E)

INSTRUCTOR: Matthew Wilkinson  
 DATE: Saturday, February 10, 2018  
 TOTAL HRS: 6 hrs. (1 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 24

**COURSE #:** 1649  
**FEE:** None  
**TIME:** 7:30a – 2:00p  
**# OF CEU:** Pending CEUs  
**ROOM:** Classroom A  
**# ENROLLED:** 0

This course will provide an introduction to electrical safety related work practices (ESRWP) to persons familiar with electrical construction and maintenance. Students will learn basic terms related to safe work practices and will discuss the importance of safety culture in accident prevention. Information relating to the history, development, and application of the NFPA 70E standard will be discussed. Participants will learn to recognize and avoid the hazards that arise with the use of electricity. Students will become familiar with personal protective equipment and learn how to identify the level of PPE required.

### First Aid/CPR

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
 DATE: Saturday, February 24, 2018  
 TOTAL HRS: 8 hrs. (1 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 10  
 CLASS MAX: 22

**COURSE #:** 1638  
**FEE:** None  
**TIME:** 7:30a – 4:00p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A  
**# ENROLLED:**

See prior course description.

### Significant Changes to the 2017 NEC

INSTRUCTOR: E Kroth/M Freespirit/M Wagner  
 DATE: TBD; February 2018  
 TOTAL HRS: 8 hrs. (1 class session)  
 LOCATION: Local 159 Training Center  
 CLASS MIN: 12  
 CLASS MAX: 60

**COURSE #:** 1650  
**FEE:** None  
**TIME:** 7:00a – 3:30p  
**# OF CEU:** 8 CEU  
**ROOM:** Classroom A & B  
**# ENROLLED:** 0

The National Electrical Code (NEC) is the most widely recognized and accepted electrical standard in the world. Every three years the NEC is updated to reflect the newest installation practices utilized by the electrical industry. The Significant Changes to the 2017 NEC class is an invaluable resource for electricians, focusing on the most important changes that occurred between the 2014 and 2017 NEC. To assist and enhance your understanding of each revision, the class is arranged to follow the general layout of the NEC and each change is accompanied by helpful images or illustrations. In addition, background information and a discussion on the significance of the change will accompany the majority of the revisions. The comprehensive coverage offered in this class will enable attendees to gain a solid understanding and application of the requirements contained in the 2017 NEC.

**There is a book fee (\$46.90) if you would like to keep the Significant Changes textbook, please let the Apprenticeship and Training Office know in advance.**

**Madison Area Electrical Joint Apprenticeship and Training Committee**  
**2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS**

**First Aid/CPR**

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
DATE: Saturday, March 3, 2018  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 22

**COURSE #:** 1639  
FEE: None  
TIME: 7:30a – 4:00p  
# OF CEU: 8 CEU  
ROOM: Classroom A  
# ENROLLED:

See prior course description.

**First Aid/CPR**

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
DATE: Saturday, March 24, 2018  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 22

**COURSE #:** 1640  
FEE: None  
TIME: 7:30a – 4:00p  
# OF CEU: 8 CEU  
ROOM: Classroom A  
# ENROLLED:

See prior course description.

**Significant Changes to the 2017 NEC**

INSTRUCTOR: E Kroth/M Freespirit/M Wagner  
DATE: TBD; March 2018  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 12  
CLASS MAX: 60

**COURSE #:** 1651  
FEE: None  
TIME: 7:00a – 3:30p  
# OF CEU: 8 CEU  
ROOM: Classroom A & B  
# ENROLLED: 0

See prior course description.

**First Aid/CPR**

INSTRUCTOR: J Crabb/A Swartz/T Schleicher  
DATE: Saturday, April 7, 2018 (if needed)  
TOTAL HRS: 8 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 22

**COURSE #:** 1641  
FEE: None  
TIME: 7:30a – 4:00p  
# OF CEU: 8 CEU  
ROOM: Classroom A  
# ENROLLED:

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

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

## **2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS**

### **Courses available upon demand (waiting for students):**

#### **Introduction to Greenlee 555 Electric Bender**

INSTRUCTOR: Kevin Klepper  
DATE: TBD; Spring 2018  
TOTAL HRS: 3 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 16

**COURSE #:** 1652  
**FEE:** None  
**TIME:** 5:00p – 8:00p  
**# OF CEU:** 3 CEU  
**ROOM:** Classroom/Lab  
**# ENROLLED:** 0

This course is designed to give students a basic understanding of the set up and operation of a Greenlee 555 electric bender. During the 3 hour course, students will learn proper initial set-up, how to change bending shoes, how to calibrate the bender, and how to calculate deduct for a 90 degree bend. This course is primarily for students with very little or no experience with electric benders.

#### **90° Bends with the Greenlee 555 Electric Bender**

INSTRUCTOR: Kevin Klepper  
DATE: TBD; Spring 2018  
TOTAL HRS: 3 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 16

**COURSE #:** 1653  
**FEE:** None  
**TIME:** 5:00p – 8:00p  
**# OF CEU:** 3 CEU  
**ROOM:** Classroom/Lab  
**# ENROLLED:** 0

In this 3 hour class students will learn how to calculate deduct (take up) and gain of a 90° bend on a Greenlee 555 Electric Bender. We will also learn how to calculate the center of bend, and the need to learn center of bend on different size conduits. This class is designed for students with limited experience using a Greenlee 555 Electric Bender.

#### **Offset Bends with the Greenlee 555 Electric Bender**

INSTRUCTOR: Kevin Klepper  
DATE: TBD; Spring 2018  
TOTAL HRS: 3 hrs. (1 class session)  
LOCATION: Local 159 Training Center  
CLASS MIN: 10  
CLASS MAX: 16

**COURSE #:** 1654  
**FEE:** None  
**TIME:** 5:00p – 8:00p  
**# OF CEU:** 3 CEU  
**ROOM:** Classroom/Lab  
**# ENROLLED:** 0

During this 3 hour class students will learn how to bend a 2 bend offset and a standard kick on a 90° bend using a Greenlee 555 Electric Bender. Special attention will be paid to the difficulty in bending larger pipe, and the need for prior planning to avoid excessive bends. Students will also be shown the need to space bends appropriately. This class is intended for students with little prior knowledge of an electric bender.

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

## **2017 – 2018 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 IBEW-NECA educational team. If you have an interest in teaching or assisting with a course, please feel free to contact any Education Sub – Committee member or the Apprenticeship and Training Office. There are many opportunities available and training is provided. Applications are available at the Apprenticeship and Training Office.**

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