

Madison Area Electrical JATC Educational Course Offerings

April 2018 Edition

Revised
03/19/2018

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
03/24/2018	First Aid/CPR Course Number: 1640 Instructors –Crabb/Swartz/Schleicher COURSE FULL. Please withdraw if unable to attend	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
03/28/2018	Data Cabling 101 Course Number: 1680 Instructor – Brian Russ	Wednesday 4:30 – 8:30 pm	Local 159 Training Center 4 hrs. – 4 CEU
04/02/2018	Residential Requirements Part 1 Course Number: 1737 Instructor –Bill Neitzel	Monday 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU
04/07/2018	First Aid/CPR Course Number: 1641 Instructors –Crabb/Swartz/Schleicher COURSE FULL. Please withdraw if unable to attend	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
04/09/2018	Residential Requirements Part 2 Course Number: 1738 Instructor –Bill Neitzel	Monday 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU
04/14/2018	Conduit-Bending Basics Course Number: 1811 Instructors – Sam Everly/Jeremy Crabb	Saturday 7:30 a -4:00 pm	Local 159 Training Center 8 hrs. – 8 CEU
04/16/2018 – 06/04/2018	Electrician Exam Prep (Section B) (Skip 05/28) Course Number: 1670 Instructor – Ed Kroth	Mondays 4:30-7:30 pm	Local 159 Training Center 21 hrs. – 18 CEU
04/24/2018 – 04/25/2018	Introduction to Building Automation Course Num: 1827 Instructors – Gesie/Whitesel	Tues. & Wed. 4:30-7:30 pm	Local 159 Training Center 6 hrs. – 6 CEU
05/01/2018	Arc-Fault/Short Circuit/Selective Coordination Course Number: 1818 Instructor –Bill Neitzel	Tuesday 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU
05/08/2018	Fiber Optic Cable Splicing Course Number: 1810 Instructor – Brian Russ	Tuesday 4:30 – 8:30 pm	Local 159 Training Center 4 hrs. – 0 CEU
05/15/2018	Firestopping Requirements Course Number: 1739 Instructor –Bill Neitzel	Tuesday 4:30-7:30 pm	Local 159 Training Center 3 hrs. – 3 CEU
Upon Demand	Introduction to the Greenlee 555 Electric Bender Course Number 1652 Instructor – Kevin Klepper	OPEN 5:00 – 8:00 pm	Local 159 Training Center 3 hrs. – 3 CEU
Upon Demand	90° Bends with Greenlee 555 Electric Bender Course Number 1653 Instructor – Kevin Klepper	OPEN 5:00 – 8:00 pm	Local 159 Training Center 3 hrs. – 3 CEU
Upon Demand	Offset Bends with the Greenlee 555 Elect. Bender Course Number 1654 Instructor – Kevin Klepper	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.

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: 20

COURSE #: 1640
FEE: None
TIME: 7:30a – 4:00p
OF CEU: 8 CEU
ROOM: Classroom A
ENROLLED: 20

Course full; please contact the Apprenticeship and Training Office if you have registered for this course and are no longer able to attend.

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.

Data Cabling 101

INSTRUCTOR: Brian Russ
DATE: Wednesday March 28, 2018
TOTAL HRS: 4 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 20

COURSE #: 1680
FEE: None
TIME: 4:30p – 8:30p
OF CEU: 4 CEU
ROOM: Lab
ENROLLED: 17

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

Residential Requirements Part 1

INSTRUCTOR: Bill Neitzel
DATE: Monday, April 2, 2018
TOTAL HRS: 3 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 25

COURSE #: 1737
FEE: None
TIME: 4:30p – 7:30p
OF CEU: 3 CEU
ROOM: Classroom A
ENROLLED: 18

During this course students will be presented with an overview of residential electrical construction requirements with emphasis on basic wiring requirements (receptacle, switch & lighting requirements, circuit requirements, etc.), residential services, residential calculations, safety requirements (AFCI, GFCI, smoke, CO), appliance and AC requirements, how to handle existing installations and more.

Note: This course is available for all classifications and license types. This course is a two-part course, but students will get credit for each part they attend.

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: 20

COURSE #: 1641
FEE: None
TIME: 7:30a – 4:00p
OF CEU: 8 CEU
ROOM: Classroom A
ENROLLED: 20

Course full; please contact the Apprenticeship and Training Office if you have registered for this course and are no longer able to attend.

See prior course description.

Residential Requirements Part 2

INSTRUCTOR: Bill Neitzel
DATE: Monday, April 9, 2018
TOTAL HRS: 3 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 25

COURSE #: 1738
FEE: None
TIME: 4:30p – 7:30p
OF CEU: 3 CEU
ROOM: Classroom A
ENROLLED: 16

See previous course description

Note: This course is available for all classifications and license types. This course is a two-part course, but students will get credit for each part they attend.

Madison Area Electrical Joint Apprenticeship and Training Committee

2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

Conduit Bending Basics

INSTRUCTOR: Sam Everly/Jeremy Crabb
DATE: Saturday, April 14, 2018
TOTAL HRS: 8 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 16

COURSE #: 1811
FEE: None
TIME: 7:30a – 4:00p
OF CEU: 8 CEUs
ROOM: Lab
ENROLLED: 2

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

Electrician Exam Prep (Section B)

INSTRUCTOR: Ed Kroth
DATE: Start: Monday, April 16, 2018
End: Monday, June 4, 2018
TOTAL HRS: 21 hrs. (7 class sessions)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 25

COURSE #: 1670
FEE: None
TIME: 4:30p – 7:30p
Skip 05/28/2018
OF CEU: 18 CEU
ROOM: Classroom A
ENROLLED: 23

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 Mike Holt Electrician Exam Prep Workbook, 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.

Introduction to Building Automation

INSTRUCTOR: John Whitesel & Michelle Giese
DATE: Start: Tuesday, April 24, 2018
End: Wednesday, April 25, 2018
TOTAL HRS: 6 hrs. (2 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 24

COURSE #: 1827
FEE: None
TIME: 4:30p – 7:30p
OF CEU: 6 CEU
ROOM: Classroom A
ENROLLED: 0

During this course students will learn to identify the control devices used to affect air temperature and humidity within a building and have a basic understanding of how these devices are installed.

Madison Area Electrical Joint Apprenticeship and Training Committee

2017 – 2018 CONTINUING EDUCATION COURSE OFFERINGS

Arc-Fault/Short Circuit/Selective Coordination

INSTRUCTOR: Bill Neitzel
DATE: Tuesday, May 1, 2018
TOTAL HRS: 3 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 25

COURSE #: 1736
FEE: None
TIME: 4:30p – 7:30p
OF CEU: 3 CEU
ROOM: Classroom A
ENROLLED: 9

During this course students will learn what factors affect arc-faults and how to calculate arc-faults using different fault calculators. Students in this course will also complete sample problems to calculate arc-faults.

Fiber Optic Cable Splicing

INSTRUCTOR: Brian Russ
DATE: Tuesday, May 8, 2018
TOTAL HRS: 4 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 14

COURSE #: 1810
FEE: None
TIME: 4:30p – 8:30p
OF CEU: 0 CEU
ROOM: Classroom A
ENROLLED: 3

Course description coming soon.

Firestopping Requirements

INSTRUCTOR: Bill Neitzel
DATE: Tuesday, May 15, 2018
TOTAL HRS: 3 hrs. (1 class session)
LOCATION: Local 159 Training Center
CLASS MIN: 10
CLASS MAX: 25

COURSE #: 1739
FEE: None
TIME: 4:30p – 7:30p
OF CEU: 3 CEU
ROOM: Classroom A
ENROLLED: 6

During this course students will learn Firestopping requirements which will help in knowing where it needs to be installed, why and how to make sure you're not wasting company money by doing more than required, and how to find the rules for the equipment being installed.

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: 2

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: 2

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: 2

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 of 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 regarding 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.