

IBEW

...the *right*
choice

JW Upgrade and Continuing
Education Course Catalog

2025-2026

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Joint Apprenticeship and Training

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**Residential Wireman to Journeyman Wireman Upgrade Program of
Studies**

**Members Who Completed the IBEW Local Union #5 Residential
Wireman Apprenticeship Need to Complete the Following Courses
before Becoming a Journeyman Wireman:**

Course Title	Previous Course Title	Completion Date
Structured Cabling	Basic Teledata (Hands-on)	
Construction Drawings Construction Documentation Virtual Construction Intro to the Trimble RTS System	Blueprint Reading / Building Information Modeling (BIM)	
Conduit Bending		
Fire Alarm		
First Aid / CPR / Defibrillation		
Motor Control		
OSHA 30	OSHA 10	
NFPA 70E Safety Related Work Practices		

**Organized Residential Wireman to Journeyman Wireman Upgrade
Program of Studies**

**Members Who Were Organized into the IBEW Local Union #5 as a
Residential Wireman Need to Complete the Following Courses Before
Becoming a Journeyman Wireman:**

Course Title	Previous Course Title	Completion Date
AC Theory		
Applied Codeology		
Structured Cabling	Basic Tele-Data (Hands-on)	
Construction Drawings Construction Documentation Virtual Construction Intro to the Trimble RTS System	Blueprint Reading / Building Information Modeling (BIM)	
Conduit Bending		
DC Theory		
Fire Alarm		
First Aid / CPR / Defibrillation		
Motor Control		
OSHA 30 Hour	OSHA 10	
NFPA 70E Safety Related Work Practices		

Telecommunications Installer Program of Studies

Telecommunications Installer to Telecommunications Technician Program

Course Title	Previous Course Title	Completion Date
Structured Cabling	Basic Tele-Data (Hands-on)	
Construction Drawings Construction Documentation Virtual Construction Intro to the Trimble	Blueprint Reading / Building Information Modeling (BIM)	
Conduit Bending		
First Aid / CPR / Defibrillation		
Fiber Fusion Splicing	Fusion Splicing I	
	Fusion Splicing II	
ICRA		
OSHA 30	OSHA 10	

Telecommunications Installer to Journeyman Wireman Program

Course Title	Previous Course Title	Completion Date
AC Theory	AC Theory	
Applied Codeology	Applied Codeology	
Construction Drawings Construction Documentation Virtual Construction Intro to the Trimble RTS System	Blueprint Reading / Building Information Modeling (BIM)	
Conduit Bending	Conduit Bending	
DC Theory	DC Theory	
Fire Alarm	Fire Alarm	
First Aid / CPR / Defibrillation	First Aid / CPR / Defibrillation	
Motor Control	Motor Control	
OSHA 30	OSHA 10	
NFPA 70E Safety Related Work Practices	NFPA 70E Safety Related Work Practices	

Telecommunications Technician to Journeyman Wireman Program

Course Title	Previous Course Title	Completion Date
AC Theory	AC Theory	
Applied Codeology	Applied Codeology	
Construction Drawings Construction Documentation Virtual Construction Intro to the Trimble RTS System	Blueprint Reading / Building Information Modeling (BIM)	
Conduit Bending	Conduit Bending	
DC Theory	DC Theory	
Fire Alarm	Fire Alarm	
First Aid / CPR / Defibrillation	First Aid / CPR / Defibrillation	
Motor Control	Motor Control	
OSHA 30	OSHA 10	
NFPA 70E Safety Related Work Practices	NFPA 70E Safety Related Work Practices	

Pittsburgh Training Facility Courses

Course Title: AC Theory

Course Code: 1A

Course Description

This is a very insightful class about AC Theory and the many different factors that affect it, including: inductance, capacitance, resistance, and overall impedance. **Members who are seeking to upgrade their classification need DC Theory (6A) first. Please refer to course titled 'DC Theory' for more information concerning DC Theory.**

Pre-requisite: DC Theory Required, and Basic Computer Skills

Classroom Materials: Calculator, Straight Edge Ruler, Notebook, Highlighters, and Pencil

Day(s): Tuesdays and Thursdays **Time:** 6:00pm - 9:00pm

Date(s): January 6, 2026 to March 19, 2026

Location: Pittsburgh Training Facility

Course Title: Access Control Course Code: 2A

Course Description

This is a non-certification course introducing the fundamentals of access control wiring practices and hardware, along with troubleshooting. Programming, software, and technology behind the scenes will be demonstrated and discussed. Upon completion, participants will have a basic understanding of installation and termination techniques related to access control systems

Pre-requisite: Basic Computer Skills

Classroom Materials: Calculator, Straight Edge Ruler, Notebook, Highlighters, and Pencil

Day(s): Saturdays Time: 8:00am – 3:00pm

Date(s) February 21, 2026 to February 28, 2026

Location: Pittsburgh Training Facility

Course Title: Applied Codeology Course Code: 3A

Course Description

Use of the National Electric Code can be frustrating when you are unfamiliar with the layout of the document. This course will show you the 'Plan, Build, Use' method for better use and understanding of the Codebook. This easy-to-use method should make you much more comfortable using the NEC. This course is asynchronous, so you will be following an independent study format, with an instructor to provide guidance and answer any questions.

Pre-requisite: Basic Computer Skills

Required Classroom Materials: Calculator, Note Paper, Highlighters, Pencil, and 2023 National Electric Code Tabs (Available from Amazon)

Classroom Materials: Calculator, Straight Edge Ruler, Notebook, Highlighters, and Pencil.

Day(s): Asynchronous Date(s): Open Enrollment

Time: At home – Limited classroom (will be notified by instructor)

Location: Pittsburgh Training Facility

Course Title: (Formerly) Blueprint Reading

***New Title* Virtual Construction, Construction Drawings, Construction Documentation and Trimble Training Course Code: 4A**

Course Description

This course includes the Electrical Training Alliance's newly released Construction Drawings course as well as some of our more traditional Residential, Commercial and Industrial Blueprint Reading course offerings. The exciting part is the inclusion of our Virtual Construction course in our new virtual construction lab space. You will also become familiar with the Trimble Robotic Total Station (RTS). Covered information will include:

- Handling and use of the Trimble Robotic Total Station (RTS)
- Linking the Trimble tablet and its software with the RTS.
- Importing CAD files, locating and opening jobs for layout and creating new jobs.
- Measuring distances and collecting points.
- Understanding the prefabrication process

(This course has become popular and additional classes can be scheduled as needed. You are encouraged to sign up now, in case another session is offered sooner than March!)

Pre-requisite: Basic Computer Skills

Classroom Materials: Calculator, Straight Edge Ruler, Notebook, Highlighters, and Pencil

Day(s): Saturdays Time: 8:00am – 3:00pm

Date(s): March 7, 2026 to April 18, 2026

Location: Pittsburgh Training Facility

Course Title: Conduit Bending

Course Code: 5A

Course Description

This is a hands-on course that uses all the latest conduit tools. This could be an excellent review for journeymen as well as a great class for our recently organized members who have not been exposed to as much conduit work.

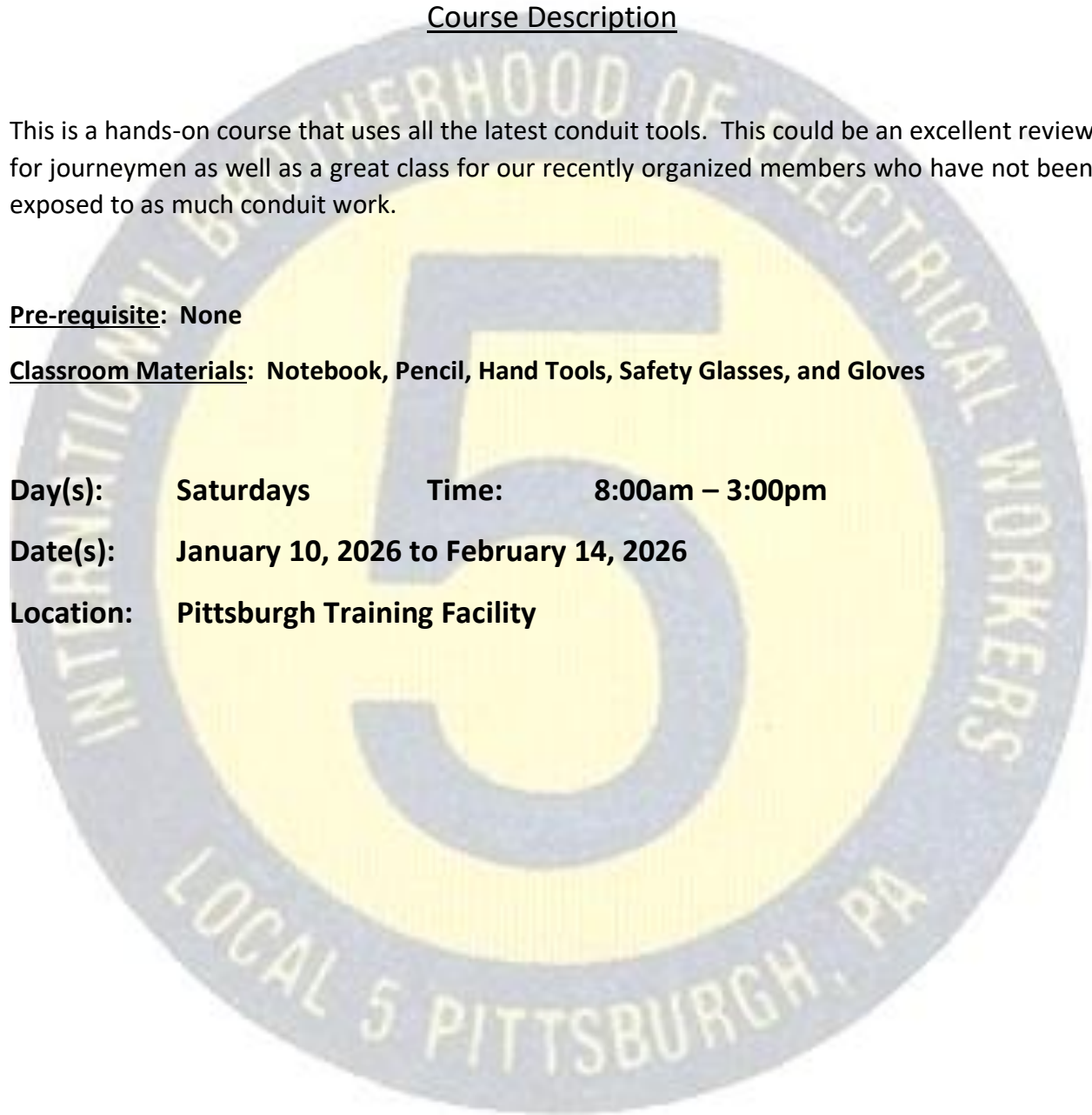
Pre-requisite: None

Classroom Materials: Notebook, Pencil, Hand Tools, Safety Glasses, and Gloves

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): January 10, 2026 to February 14, 2026

Location: Pittsburgh Training Facility



Course Title: DC Theory

Course Code: 6A

Course Description

The course will start with Ohm's Law and continue through simple series circuits. From there it will move through parallel and combination circuits. This is truly the basis for all electrical theory. The course is a prerequisite for AC Theory.

Pre-requisite: Basic Computer Skills

Classroom Materials: Calculator, Straight Edge Ruler, Notebook, Highlighters, and Pencil

Day(s): Tuesdays and Thursdays **Time:** 6:00pm – 9:00pm

Date(s): September 30, 2025 to December 11, 2025

Location: Pittsburgh Training Facility

Course Title: NFPA 70E Electrical Safety Related Work Practices

Course Code: 7A

Course Description

There are several different factors that must be considered when discussing electrical safety. This course will try to address issues that are often overlooked that could potentially be fatal if not dealt with properly. The goals we would like to achieve in this course include the following:

- Increased awareness by identifying electrical hazards.
- Achieve a better understanding of the NFPA 70E publication.
- Realize all the protective equipment available to us, as well as understanding the proper use of protective equipment.
- Learn how to develop an electrically safe work condition.

This course could be scheduled for additional times as needed.

Pre-requisite: Basic Computer Skills, and OSHA 10 Hour is recommended

Classroom Materials: Calculator, Notebook, and Pencil

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): April 25, 2026 to May 30, 2026

Location: Pittsburgh Training Facility

Course Title: Electrical Vehicle Charging Systems (EVCS-5.0) Based on 2017 NEC

Course Code: 8A

Course Description

The Electric Vehicle Charging Systems course serves as an instructional primer for the Electric Vehicle Infrastructure Training Program (EVITP) Certification Exam. The course provides an introduction of charging products and associated equipment on the market today. Electrical Workers completing this training go to work with the ability to implement best practices in areas such as charging station equipment, infrastructure site assessment, load calculation, installation, commissioning, and troubleshooting. Through an agreement with EVITP, their certification exam is provided at the conclusion of this course. ***This course will be when the class filled and as needed! Please call and reserve your seat now! The past year saw tremendous interest and the class was conduct several times.***

Pre-requisite: Basic Computer Skills

Classroom Materials: Calculator, Notebook, and Pencil

Day(s): Tuesday – Thursday Time: 6:00pm – 9:00pm

Date(s): October 7, 2025 to November 13, 2025

Location: Pittsburgh Training Facility

Course Title: Fire Alarm

Course Code: 10A

Course Description

The Fire Alarm Systems Class is based on the 2022 *NFPA 72* and the 2023 *NEC* - CML course serves as an introduction to fire alarm systems and notification appliances, as well as a number of other alarm systems and advanced detection topics. You will become familiar with the fundamentals of these systems, their requirements, relevant devices, different interfaces and safety control functions, in addition to procedures for inspection, testing and maintenance. The last two lessons include fire alarm certification sample exams based on the latest exams from NICET and IPSI, the two major certification programs in the United States. If you're contemplating getting certified after completing this curriculum, you can use these sample exams to gauge your preparedness. There are now 12 Lessons with a written final and a hand-on final. The class will start with a in class introduction/register day. **The students are responsible for doing the 12 asynchronous lessons at home** and come back for 2 Saturdays for hands-on practice and a hands-on final exam.

Pre-requisite: Computer Literate

Classroom Materials: Laptop/Computer

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): October 4, 2025 to November 22, 2025
(October 4th and November 15th and 22nd in classroom)

Location: Pittsburgh Training Facility

Course Title: Fiber Fusion Splicing

Course Code: 11A

Course Description

This course features advanced hands-on fiber optic splicing procedures and techniques. Fusion splicing is the act of joining two optical fibers end to end using heat and is accomplished with a Fusion Splicing Machine. The object of this course is to address fusion splicing specialization and familiarize the student with fiber optic preparation and management, stripping, cleaning, and cleaving techniques.

Prerequisite: None

Required Classroom Materials: Notebook and Pencil

11A:

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): October 11, 2025 to October 25, 2025

Location: Pittsburgh Training Facility

11B:

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): February 21, 2026 to February 28, 2026

Location: Pittsburgh Training Facility

Course Title: First Aid / CPR / Defibrillation

Course Code: 13A & B

Course Description

The time spent in this class will definitely offset the helpless feeling incurred when a family member, friend or co-worker is in need. This is a Coyne First Aid / CPR class. Completion cards will be issued for use at jobsites and employers that may require it. This course is for adult CPR only, not for children.

Prerequisite: None

Required Classroom Materials: Notebook and Pencil

13A:

Day(s): Tuesday & Thursday **Time:** 6:00pm – 9:00pm

Date(s): December 2, 2025 to December 11, 2025

Location: Pittsburgh Training Facility

13B:

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): May 9, 2026 to May 16, 2026

Location: Pittsburgh Training Facility

Course Title: Grounding and Bonding

Course Code: 14A

Course Description

This is a new one-day course that will strengthen your understanding of grounding and bonding. Concentration is upon application of Article 250 of the National Electrical Code 2023.

Prerequisite: None

Required Classroom Materials: 2023 NEC, Notebook, Highlighters, and Pencil

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): April 11, 2026

Location: Pittsburgh Training Facility



Course Title: Harassment Prevention: Awareness and Responsibilities

Course Code: 15A

Course Description

The Apprenticeship Training Programs and Committees expect their employees – including instructors, contractors, and apprentices – to treat each other with respect and dignity and to make all efforts to prevent and address harassment. This course has been developed to prevent and address harassment, including communicating to all involved in the apprenticeship program that harassing conduct will not be tolerated, providing training on preventing harassment, and detailing procedures for handling and resolving complaints. **This course is designed to be completed on your own, no classroom time is needed.**

Pre-requisite: Computer Literate

Classroom Materials: Laptop/Computer

Day(s): Asynchronous Time: N/A

Date(s): Open Enrollment

Location: Pittsburgh Training Facility

Course Title: ICRA (Infection Control Risk Assessment)

Course Code: 16A

Course Description

This is an infection control safety awareness course developed and maintained by UPMC. As of November of 2012, all construction tradesmen working in a UPMC facility must have completed this course. Reserve your spot now for early compliance. Remember, those that have not completed the course are not eligible to work on a UPMC jobsite. If the dates listed below fill to capacity, others will be scheduled as needed.

Pre-requisite: None

Classroom Materials: Notebook and Pencil

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): October 4, 2025

Location: Pittsburgh Training Facility

Course Title: Instrumentation and Calibration – Part A Course Code: 17A & B

Course Description

This course is designed to familiarize a potential technician with various electrical and mechanical devices utilized in automated process control systems. These devices measure changes in process variables such as pressure, level, flow and temperature and convert the sensed reading to an electrical input signal to a controller. Upon completion you should be familiar with industry terminology, documentation and calibration procedures, various test instrument and process control instruments.

Upon completion of the course you may be eligible to take the EPRI (Electrical Power Research Institute) Part A qualification exam.

Please be aware that this course requires a major commitment from you. There is 70 hours of classroom work scheduled with additional study/review time and homework.

Pre-requisite: DC Theory, AC Theory, and Basic Computer Skills

Classroom Materials: Notebook, Highlighters, and Pencil

17A:

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): TBD

Location: Pittsburgh Training Facility

17B:

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): TBD

Location: Pittsburgh Training Facility

Course Title: Instrumentation and Calibration – Part B Course Code: 18A & B

Course Description

After successfully completing the Instrumentation and Calibration – Part A course (Course Code 16A & 16B) and passing the EPRI Part A exam, you will be eligible to take the EPRI Part B exam. This class is designed to prepare you for that test by covering fundamental calibration procedures utilizing various test instruments as well as virtual testing labs.

This course requires a major commitment from you. The scheduled classroom time is 40 hours with additional study/review time and homework. Please be aware that your EPRI Part A certificate expires after three years without your Part B certificate. Additionally, the Part B certificate expires every three years. Members who need to re-certify before your three year certificate expires should seriously consider taking this course prior to your re-testing.

Pre-requisite: Instrumentation and Calibration Part A and Pass EPRI A Exam, and Computer Skills

Classroom Materials: Notebook, Highlighters, and Pencil

18A:

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): TBD

Location: Pittsburgh Training Facility

18B:

Day(s): Saturdays **Time:** 8:00am – 3:00pm

Date(s): TBD

Location: Pittsburgh Training Facility

Course Title: : Journeyperson 101

Course Code: 19A

Course Description

This course is intended to help prepare you for the next step. You will examine your new job description and the responsibilities that come with it. Bring your questions!!

Pre-requisite: None

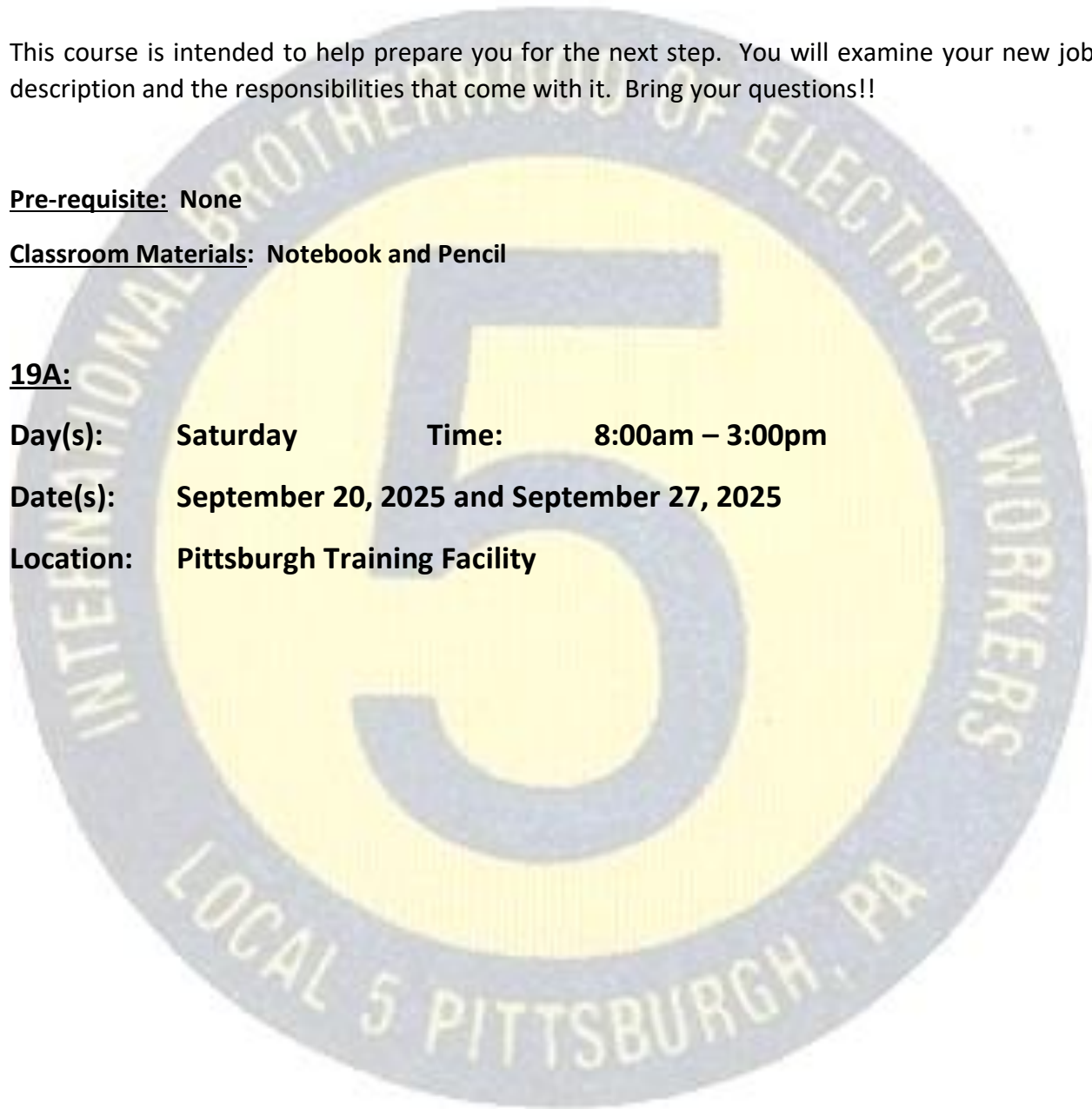
Classroom Materials: Notebook and Pencil

19A:

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): September 20, 2025 and September 27, 2025

Location: Pittsburgh Training Facility



Course Title: Motor Controls

Course Code: 20A

Course Description

This course provides a foundation for motor control theory. Participants will develop ladder diagrams demonstrating common motor control functions such as hand-off-auto controls, forward and reversing controls and timing circuits. The participants will also have the opportunity to demonstrate their hands-on skills in our newly updated motor control lab. Classes are sized so that everyone has their own project bucket and remote motor station.

Pre-requisite: DC Theory, and AC Theory

Classroom Materials: Calculator, Hand Tools, Safety Glasses, Gloves, Notebook, and Pencil

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): January 10, 2026 to February 28, 2026

Location: Pittsburgh Training Facility

New

Course Title: Online Navigation (CML Introduction)

Course Code: 21A & B

Course Description

This session was just added to help participants for their upcoming classes. We will help to sign you up, sign on to the learning management system, and navigate the learning management system with confidence. We will also introduce you to the apprenticeship's document management app Tradeschool Mobile. Yes, we have an app for that! A tour of the training center is included.

Pre-requisite: None

Classroom Materials: Notebook and Pencil

21A:

Day(s): Thursday Time: 6:00pm – 8:00pm

Date(s): September 25, 2025

Location: Pittsburgh Training Facility

21B:

Day(s): Saturday Time: 8:00am – 10:00pm

Date(s): September 27, 2025

Location: Pittsburgh Training Facility

Course Title: OSHA 10 Hour Awareness

Course Code: 22A & B

Course Description

This course deals with the most important part of our industry, your safety. This is a 10-hour course that will be kept as industry specific as possible. Topics may include; Electrical Safety, Ladders, Stairways, Personal Protective Equipment, Lockout Tag-Out and Fall Protection. ***Many jobsites, contractors and customers are now requiring at least an OSHA-10 hour completion card issued within the past 3 years. Please consider this class for upgrade purposes. More classes will be added as necessary.***

Pre-requisite: None

Classroom Materials: Notebook and Pencil

22A:

Day(s): Tuesday and Thursday Time: 6:00pm – 9:00pm

Date(s): April 28, 2026 to May 7, 2026

Location: Pittsburgh Training Facility

22B:

Day(s): Saturday Time: 8:00am – 3:00pm

Date(s): November 8, 2025 to November 15, 2025

Location: Pittsburgh Training Facility

Course Title: OSHA 30 Hour Awareness Course Code: 23A and 23B

Course Description

This course requires 30 hours of training. It is a more comprehensive course for all members, especially those that may be Safety Directors, Project Managers, or Foremen who may need advanced training required by some projects. This class will have multiple sessions, so please sign up now, in case there is a session before February).

Pre-requisite: None

Classroom Materials: Notebook, Highlighters, and Pencil

23A

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): October 4, 2025, through November 1, 2025

Location: Pittsburgh Training Facility

23B

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): February 28, 2026, to March 28, 2026

Location: Pittsburgh Training Facility

Course Title: Programmable Logic Control (PLC)

Course Code: 24A

Course Description

Your JATC has completed a new Programmable Logic Control (PLC) lab experience that will challenge its participants to learn about the advantages and applications of the PLC. This will include the installation, wiring and basics of programming the Allen Bradley Logix line of PLC utilizing the Studio 5000 programming software.

Pre-requisite: None

Classroom Materials: Calculator, Notebook, Highlighters, and Pencil

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): TBD

Location: Pittsburgh Training Facility

Course Title: *New Title* Structured Cabling (Tele-Data Basics)

Course Code: 25A & B

Course Description

The JATC is once again offering a short, hands-on course geared towards the Residential Wireman upgrading to the Journeyman Wireman classification. During this course, you will learn the skills necessary to terminate Co-Axial, Fiber Optic cable, and Twisted Pair cabling with the theory behind the processes. While this is geared towards the RW to JW classification change, all members are invited and encouraged to take this course.

Pre-requisite: None

Classroom Materials: Notebook, and Pencil

25A:

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): December 6, 2025 to December 20, 2025

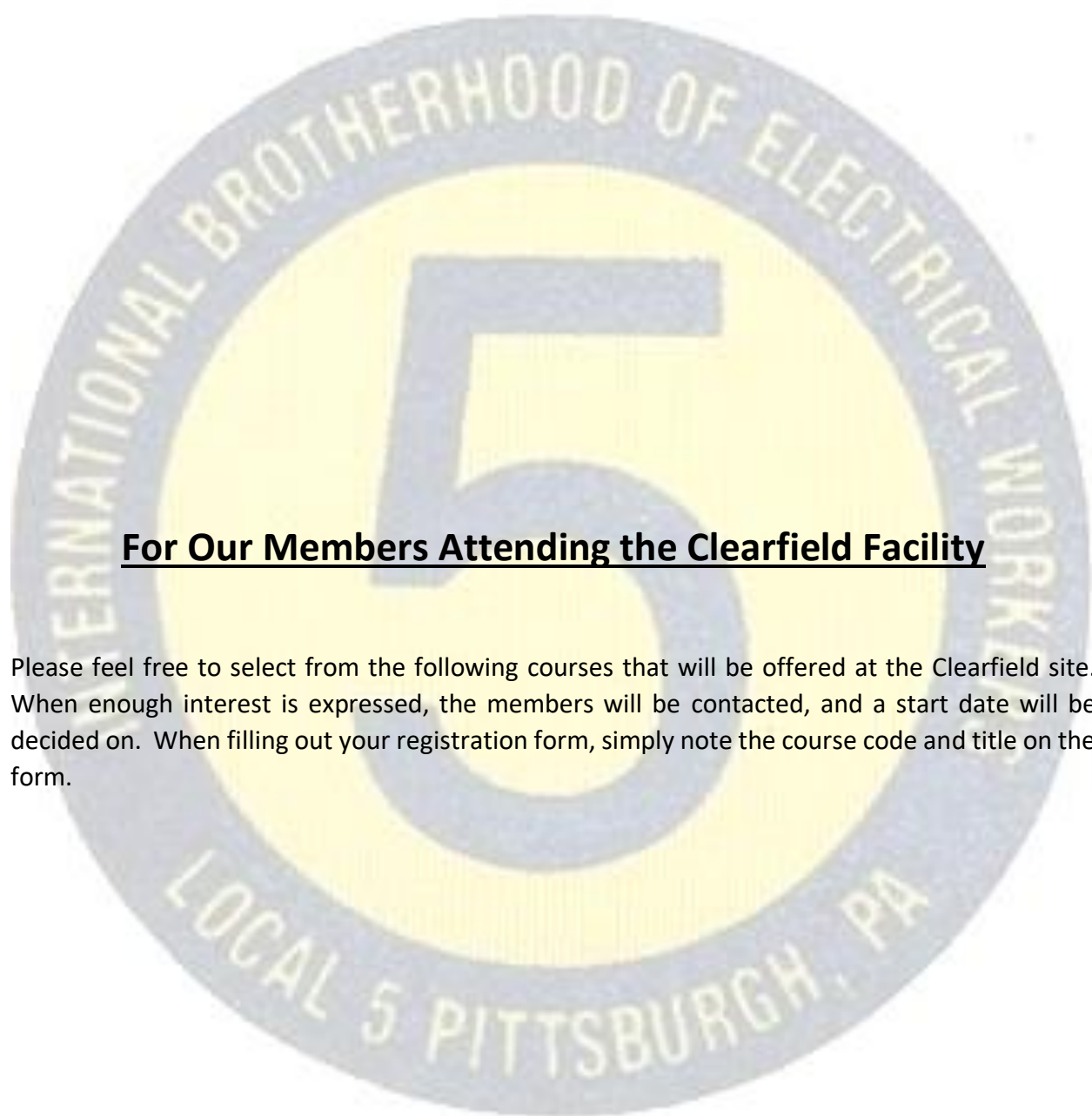
Location: Pittsburgh Training Facility

25B:

Day(s): Saturday **Time:** 8:00am – 3:00pm

Date(s): March 14, 2026 to March 28, 2026

Location: Pittsburgh Training Facility



For Our Members Attending the Clearfield Facility

Please feel free to select from the following courses that will be offered at the Clearfield site. When enough interest is expressed, the members will be contacted, and a start date will be decided on. When filling out your registration form, simply note the course code and title on the form.

Course Title: Blueprint Reading / *New Title* Construction Drawing

Course Code: C1

Course Description

This is an extensive blueprint reading course covering Basic Blueprint Reading Skills, Residential, Commercial and Industrial Blueprint Reading. The Commercial Blueprint Reading segment actually uses parts of the blueprint set from our own three building IBEW Local Union #5 campus.

Pre-requisite: Basic Computer Skills

Classroom Materials: Calculator, Straight Edge Ruler, Highlighters, Notebook, and Pencil

Day(s): TBD **Time:** TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: Conduit Bending

Course Code: C2

Course Description

This is a hands-on course that uses all the latest conduit tools. This could be an excellent review for journeyman as well as a great class for our recently organized members who have not been exposed to as conduit work.

Pre-requisite: Basic Computer Skills

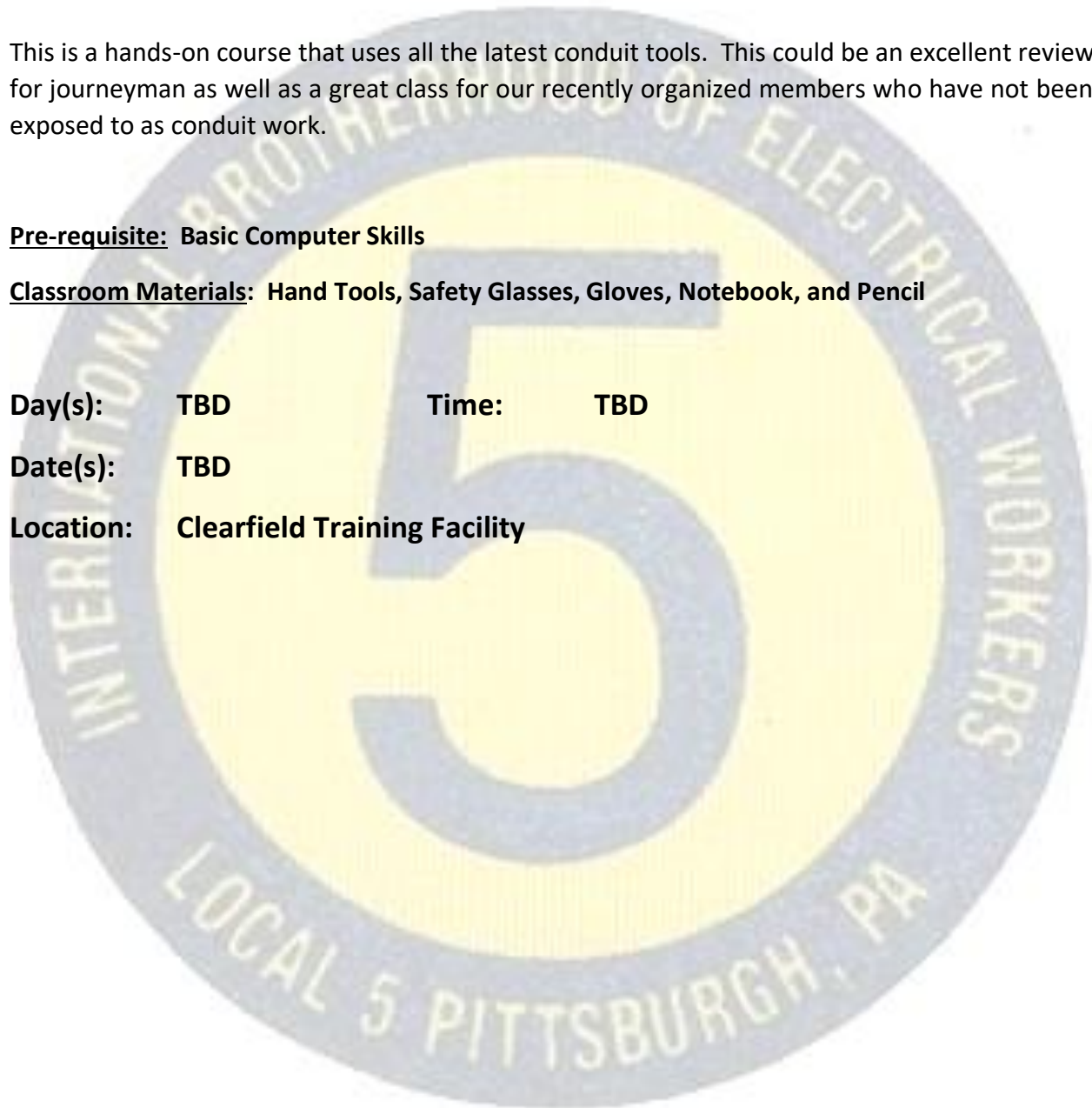
Classroom Materials: Hand Tools, Safety Glasses, Gloves, Notebook, and Pencil

Day(s): TBD

Time: TBD

Date(s): TBD

Location: Clearfield Training Facility



Course Title: 70E Electrical Safety Related Work Practices

Course Code: C3

Course Description

There are several different factors that must be considered when discussing electrical safety. This course will try to address issues that are often overlooked that could potentially be fatal if not dealt with properly. The goals we would like to achieve in this course include the following:

- Increased awareness by identifying electrical hazards.
- Achieve a better understanding of the NFPA 70E publication.
- Realize all of the protective equipment available to us, as well as understanding the proper use of protective equipment.
- Learn how to develop an electrically safe work condition.

Pre-requisite: Basic Computer Skills (OSHA 10 is recommended)

Classroom Materials: Calculator, Notebook, and Pencil

Day(s): TBD **Time:** **TBD**

Date(s): **TBD**

Location: **Clearfield Training Facility**

Course Title: Electrical Vehicle Charging Systems (EVCS-5.0) Based on 2017 NEC

Course Code: C4

Course Description

The Electric Vehicle Charging Systems course serves as an instructional primer for the Electric Vehicle Infrastructure Training Program (EVITP) Certification Exam. The course provides an introduction of charging products and associated equipment on the market today. Electrical Workers completing this training go to work with the ability to implement best practices in areas such as charging station equipment, infrastructure site assessment, load calculation, installation, commissioning, and troubleshooting. Through an agreement with EVITP, their certification exam is provided at the conclusion of this course. ***This course will be when the class is filled and as needed! Please call and reserve your seat now! The past year saw tremendous interest and the class was conducted several times.***

Pre-requisite: Basic Computer Skills

Classroom Materials: Calculator, Notebook, and Pencil

Day(s): TBD **Time:** TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: Fire Alarm

Course Code: C5

Course Description

The newly installed Fire Alarm Lab at your JATC offers practical **hands-on** experience with popular brand name equipment like ***Silent Knight*** and ***Fire Lite***. In addition to working with new control panels, each station has new Flow and Tamper equipment, horn-strobe assemblies, pull stations, smoke detectors, heat detectors, and much more. Each student will install wire, terminate devices and program their own system. Designed to take the mystery out of a fire alarm system. Countless hours were devoted to this new lab and we hope our members take advantage of the hands-on class.

Pre-requisite: None

Classroom Materials: None

Day(s): TBD

Time: TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: First Aid / CPR / Defibrillation

Course Code: C6

Course Description

The time spent in this class will definitely offset the helpless feeling incurred when a family member, friend or co-worker is in need. This is a Coyne First Aid / CPR class. Completion cards will be issued for use at jobsites and employers that may require it. This course is for adult CPR only, not for children.

Pre-requisite: None

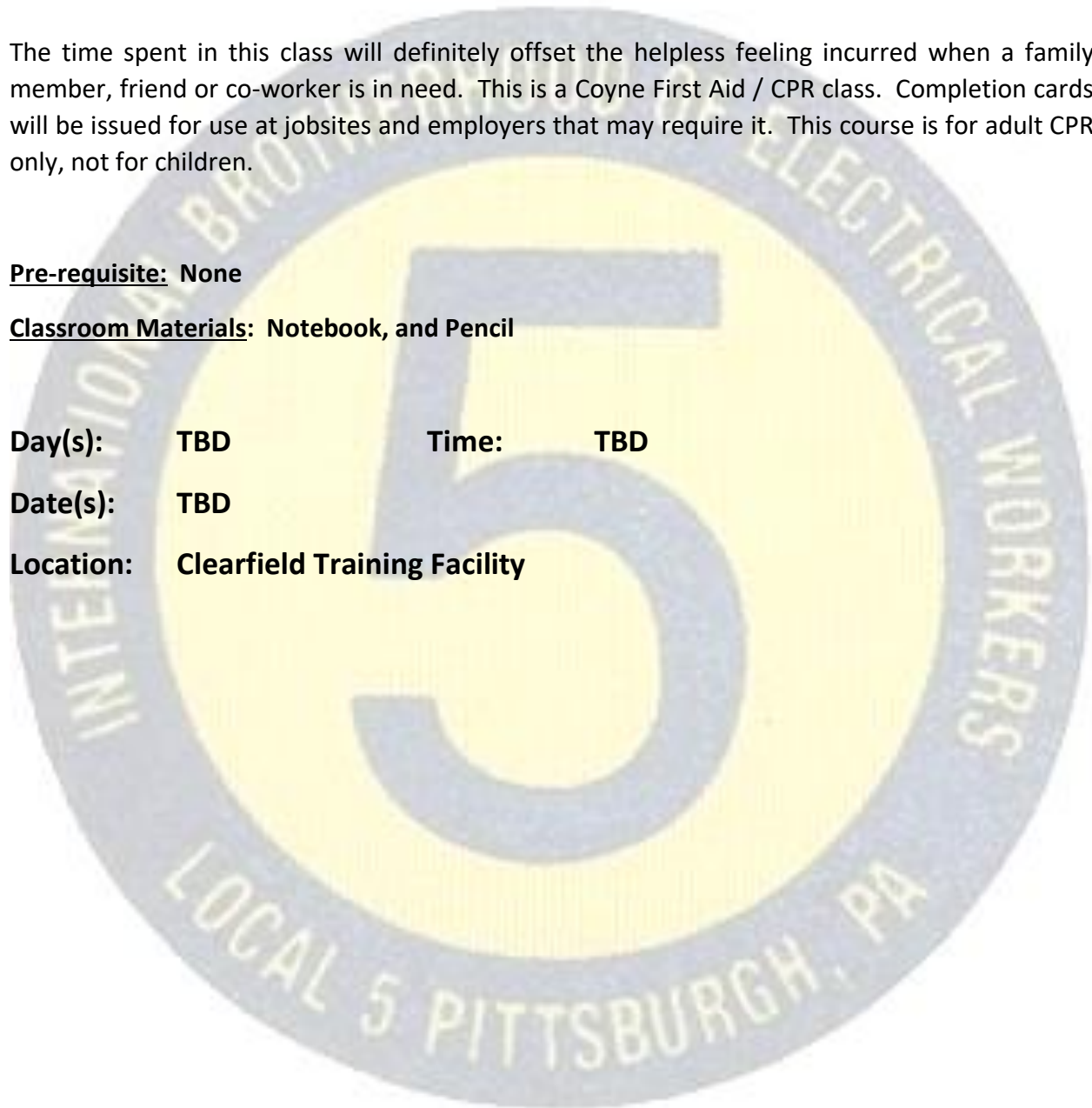
Classroom Materials: Notebook, and Pencil

Day(s): TBD

Time: TBD

Date(s): TBD

Location: Clearfield Training Facility



Course Title: Fiber Fusion Splicing

Course Code: C7

Course Description

This course features advanced hands-on fiber optic splicing procedures and techniques. Fusion splicing is the act of joining two optical fibers end to end using heat and is accomplished with a Fusion Splicing Machine. This course will address the following: Fiber optic preparation including breakout of high strand count cables, management, stripping, cleaning, and cleaving techniques, tray organization, and OTDR testing.

Pre-requisite: None

Classroom Materials: Notebook, and Pencil

Day(s): TBD **Time:** TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: ICRA (Infection Control Risk Assessment)

Course Code: C8

Course Description

This is an infection control safety awareness course developed and maintained by UPMC. As of November of 2012, all construction tradesmen working in a UPMC facility must have completed this course. Reserve your spot now for early compliance. Remember, those that have not completed the course are not eligible to work on a UPMC jobsite.

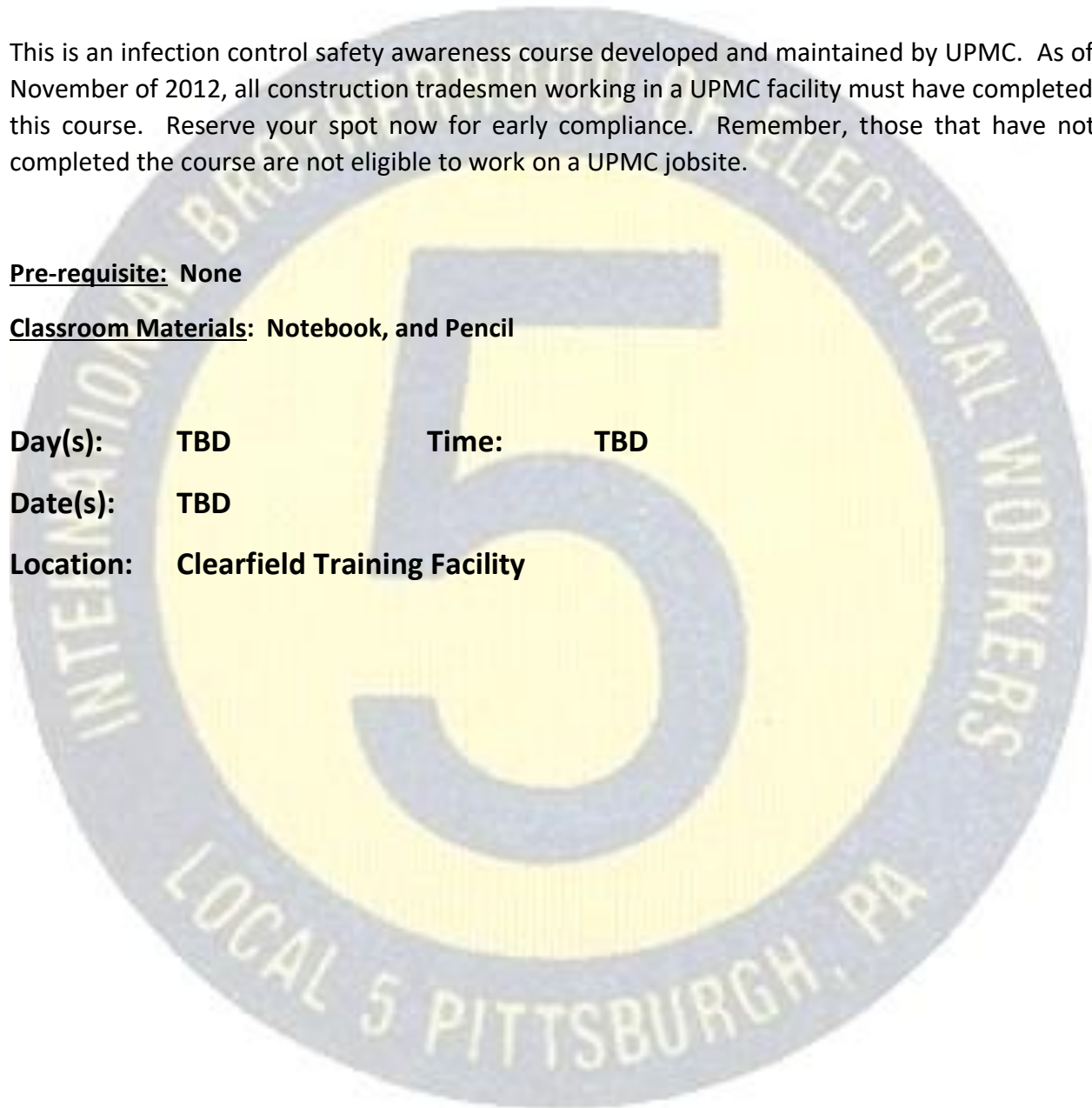
Pre-requisite: None

Classroom Materials: Notebook, and Pencil

Day(s): TBD **Time:** TBD

Date(s): TBD

Location: Clearfield Training Facility



Course Title: Motor Controls

Course Code: C9

Course Description

This course provides a foundation for motor control theory. Participants will develop ladder diagrams demonstrating common motor control functions such as; hand-off-auto controls, forward and reversing controls and timing circuits. The participant will also have the opportunity to demonstrate their hands on skills in our newly updated motor control lab.

Pre-requisite: DC Theory and AC Theory

Classroom Materials: Calculator, Hand Tools, Safety Glasses, Gloves, Notebook, and Pencil

Day(s): TBD

Time: TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: OSHA 10 Hour Awareness Course

Course Code: C11

Course Description

This course deals with the most important part of our industry, your safety. This is a 10-hour course that will be kept as industry specific as possible. Topics may include; Electrical Safety, Ladders, Stairways, Personal Protective Equipment, Lockout Tag-Out and Fall Protection. ***Many jobsites, contractors and customers are now requiring at least an OSHA-10 hour completion card issued within the past 3 years. Please consider this class for upgrade purposes. More classes will be added as necessary.***

Pre-requisite: None

Classroom Materials: Notebook, Highlighters, and Pencil

Day(s): TBD **Time:** TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: OSHA 30 Hour Awareness Course

Course Code: C12

Course Description

This course requires 30 hours of training. It is a more comprehensive course for all members, especially those that may be Safety Directors, Project Managers, or Forman who may need advanced training required by some projects.

Pre-requisite: None

Classroom Materials: Notebook, Highlighters, and Pencil

Day(s): TBD

Time: TBD

Date(s): TBD

Location: Clearfield Training Facility

Course Title: *New Title* Structured Cabling (Tele-Data Basics)

Course Code: C13

Course Description

The JATC is now offering a short, hands-on course geared towards the Residential Wireman upgrading to the Journeyman Wireman classification. During this course, you will learn the skills necessary to terminate Co-Axial, Fiber Optic cable, and Twisted Pair cabling with the theory behind the processes.

Pre-requisite: None

Classroom Materials: Notebook, and Pencil

Day(s): TBD **Time:** TBD

Date(s): TBD

Location: Clearfield Training Facility

Registration Form

Please Print Neatly

Submit to: laburns@local5jadc.org

(Last Name)	(First Name)	(MI)	(Classification)
(Street Name)	(State)	(City)	(Zip)
(Card Number)	(S.S. Number)	(Daytime Ph. #)	(Evening Ph. #)
(E-mail Address)	(Local Union #)		

	<u>Course Code</u>	<u>Course Title</u>	<u>Dates</u>	<u>Times</u>
1				
2				
3				
4				

Carefully Review this checklist before completing this form.

1. Make sure that the phone numbers you supply are correct.
2. If you move please notify the apprenticeship as soon as possible with address and phone number changes.
3. Please make sure that you can attend the class that you sign up for. Review the calendars and make sure that the dates that you select do not conflict with other important dates.
4. Please make sure that the classes you select do not conflict with each other.
5. Please pay attention to the necessary pre-requisites.
6. Leave some time between classes. Remember that the listed times required are approximate and may be slightly longer or shorter.