

Apprenticeship Assessment Plan Rev. 9/16/2018

Apprenticeship	16-17	17-18	18-19	19-20	20-21	21-22
APPRB60-1 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to identify and demonstrate safety principles utilized in industry			P			
• 2. Upon successful completion of the course, the student will be able to apply mathematical relationships to solve electrical fabrication problems.			P			
• 3. Upon successful completion of the course, the student will be able to interpret residential blueprints.			P			
APPRB60-2 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to identify and demonstrate safe work practices in the electrical industry.			P			
• 2. Upon successful completion of the course, the student will be able to apply concepts of DC theory in series and parallel circuits.			P			
• 3. Upon successful completion of the course, the student will be able to demonstrate an understanding of the principles of magnetism and electromagnetism.			P			
APPRB60-3 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to identify and apply compliance concepts of electrical codes.			P			
• 2. Upon successful completion of the course, the student will be able to demonstrate an understanding of three-phase systems via troubleshooting techniques.			P			
• 3. Upon successful completion of the course, the student will be able to interpret residential and commercial blueprints.			P			
APPRB60-4 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to interpret and apply the National Electrical Code (NEC).			P			
• 2. Upon successful completion of the course, the student will be able to analyze circuits using the application of electrical theory.			P			
• 3. Upon successful completion of the course, the student will be able to demonstrate and understanding of transformer operation.			P			
APPRB60-5 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to demonstrate accurate and safe grounding techniques and procedures.			P			
• 2. Upon successful completion of the course, the student will be able to research and apply the National Electrical Code			P			
• 3. Upon successful completion of the course, the student will be able to perform National Electrical Code Calculations.			P			
APPRB60-6 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to design complex circuits and successfully implement these designs.			P			
• 2. Upon successful completion of the course, the student will be able to evaluate and apply the National Electrical Code to motor control safety.			P			
APPRB60-7 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to demonstrate installation techniques for programmable logic controllers.			P			
• 2. Upon successful completion of the course, the student will be able to demonstrate installation techniques for fire alarm systems.			P			
• 3. Upon successful completion of the course, the student will be able to troubleshoot electrical issues with basic fire alarm systems.			P			
APPRB60-8 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to analyze electrical drawings for installation and operational applications.			P			
• 2. Upon successful completion of the course, the student will be able to install and maintain automated electrical systems.			P			
• 3. Upon successful completion of the course, the student will be able to apply troubleshooting techniques in solving electrical maintenance problems.			P			

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APPRB60-9 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to Demonstrate competency in the National Electrical Code.			P			
• 2. Upon successful completion of the course, the student will be able to Compare and contrast electrical codes, standards and system specifications in evaluating the installation of electrical systems.			P			
APPRB6010 - Apprentice Inside Wireman						
• 1. Upon successful completion of the course, the student will be able to identify and demonstrate jobsite safety principles.			P			
• 2. Upon successful completion of the course, the student will be able to apply management principles utilized in supervising industrial jobsites with electrical installations			P			
• 3. Upon successful completion of the course, the student will be able to evaluate and assess customer needs to design and install photovoltaic systems.			P			