

Apprenticeship Assessment Plan Rev. 4/21/2020

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 Demonstrates 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	