

# Electro Mastery Pre-Apprenticeship Course Outline

**Start Time**      8:00 AM      1:00 PM      6:00 PM

**End Time**      12:00 PM      5:00 PM      10:00 PM

Days	Morning	Midday	Evening	Course Schedule			
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**Week 1**

Monday	4	4	4	Training Center	Lecture	1.0	Student Orientation
Tuesday	4	4	4	Training Center	Lecture	1.1	Electrical Overview
Wednesday	4	4	4	Virtual	Lecture	1.2	How to Navigate the NEC Book
Thursday	4	4	4	Virtual	Lecture	1.3	Safety Standards with Occupational Safety and Health Administration (OSHA)
Friday	4	4	4	Training Center	Lab	1.4	Safety Standards with Occupational Safety and Health Administration (OSHA)

**Week 2**

Monday	4	4	4	Virtual	Lecture	1.5	Electrical Voltage Testing
Tuesday	4	4	4	Training Center	Lab	1.6	Electrical Voltage Testing
Wednesday	4	4	4	Virtual	Lecture	1.7	Identifying Different Wire Sizes
Thursday	4	4	4	Training Center	Lab	1.8	Identifying Different Wire Sizes
Friday	4	4	4	Virtual	Lecture	1.9	Wiring a Single Pole

**Week 3**

Monday	4	4	4	Training Center	Lab	2.0	Wiring a Single Pole
Tuesday	4	4	4	Virtual	Lecture	2.1	Wiring a Ground Fault Circuit Interrupter (GFCI)
Wednesday	4	4	4	Training Center	Lab	2.2	Wiring a Ground Fault Circuit Interrupter (GFCI)

Thursday	4	4	4	Virtual	Lecture	2.3	Wiring a 3-Way Switch
Friday	4	4	4	Training Center	Lab	2.4	Wiring a 3-Way Switch
<b>Week 4</b>							
Monday	4	4	4	Training Center	Lecture	2.5	Career Development Essentials
Tuesday	4	4	4	Virtual	Lecture	2.6	Wiring a 4-Way Switch
Wednesday	4	4	4	Training Center	Lab	2.7	Wiring a 4-Way Switch
Thursday	4	4	4	Virtual	Lecture	2.8	Pipe Bending
Friday	4	4	4	Training Center	Lab	2.9	Pipe Bending
<b>Week 5</b>							
Monday	4	4	4	Virtual	Lecture	3.0	Calculate a Straight and 90 Pull Box
Tuesday	4	4	4	Training Center	Lab	3.1	Calculate a Straight and 90 Pull Box
Wednesday	4	4	4	Virtual	Assesment	3.2	Phase 1 Exam
Thursday	4	4	4	Training Center	Lecture	3.3	Light Installation
Friday	4	4	4	Virtual	Lecture	3.4	Identify a Breaker Panel
<b>Week 6</b>							
Monday	4	4	4	Training Center	Lab	3.5	Identifying a Breaker Panel
Tuesday	4	4	4	Virtual	Lecture	3.6	Wiring an Arc Fault Breaker Inside a Panel
Wednesday	4	4	4	Training Center	Lab	3.7	Wiring an Arc Fault Breaker Inside a Panel
Thursday	4	4	4	Virtual	Lecture	3.8	Installing a Ballast
Friday	4	4	4	Training Center	Lab	3.9	Installing a Ballast

Week 7							
Friday	4	4	4	Virtual	Lecture	4.0	Wiring a Breaker Panel
Monday	4	4	4	Training Center	Lab	4.1	Wiring a Breaker Panel
Tuesday	4	4	4	Virtual	Lecture	4.2	Wiring a Light Fixture
Wednesday	4	4	4	Training Center	Lab	4.3	Wiring a Light Fixture
Thursday	4	4	4	Virtual	Lecture	4.4	Wiring Light Sensors
Week 8							
Monday	4	4	4	Training Center	Lab	4.5	Wiring Light Sensors
Tuesday	4	4	4	Virtual	Lecture	4.6	Wiring Emergency Lighting
Wednesday	4	4	4	Training Center	Lab	4.7	Wiring Emergency Lighting
Thursday	4	4	4	Virtual	Lecture	4.8	Wire Emergency Exits Signs
Friday	4	4	4	Training Center	Lab	4.9	Wire Emergency Exits Signs
Week 9							
Monday	4	4	4	Virtual	Lecture	5.0	Wiring Fire Alarms
Tuesday	4	4	4	Training Center	Lab	5.1	Wiring Fire Alarms
Wednesday	4	4	4	Virtual	Assesment	5.2	Phase 2 Exam
Thursday	4	4	4	Virtual	Lecture	5.3	Load Calculations
Friday	4	4	4	Training Center	Lab	5.4	Load Calculations
Week 10							
Monday	4	4	4	Training Center	Lecture	5.5	Workplace Readiness: Preparing for Your Dream Job

Tuesday	4	4	4	Virtual	Lecture	5.6	Basic Transformer Wiring
Wednesday	4	4	4	Training Center	Lab	5.7	Basic Transformer Wiring
Thursday	4	4	4	Virtual	Lecture	5.8	Wiring a High and Low Voltage Motor
Friday	4	4	4	Training Center	Lab	5.9	Wiring a High and Low Voltage Motor
<b>Week 11</b>							
Monday	4	4	4	Virtual	Lecture	6.0	Blueprint Reading
Tuesday	4	4	4	Training Center	Lab	6.1	Blueprint Reading
Wednesday	4	4	4	Virtual	Lecture	6.2	Residential Load Calculations
Thursday	4	4	4	Training Center	Lab	6.3	Residential Load Calculations
Friday	4	4	4	Virtual	Lecture	6.4	Commercial Load Calculations
<b>Week 12</b>							
Monday	4	4	4	Training Center	Lab	6.5	Commercial Load Calculations
Tuesday	4	4	4	Virtual	Lecture	6.6	Motor Load Calculations
Wednesday	4	4	4	Training Center	Lab	6.7	Motor Load Calculations
Thursday	4	4	4	Virtual	Assesment	6.8	Phase 3 Exam
Friday	4	4	4	Training Center	Lecture	6.9	Career Sercives: Exit Interview
<b>Week 13</b>							
Monday	4	4	4	Training Center	Assesment	7.0	Final Exam (33 Questions)
Tuesday	4	4	4	Training Center	Lab/Lecture	7.1	Final Exam Review and Final Skills Assessment
Wednesday	4	4	4	Training Center	Lecture	7.2	Professional Success: Career Fair

Thursday							Bring a Friend Day (8:00 AM to 12:00 PM)
Friday				TBA	Graduation		Graduation Ceremony (5:00 PM to 8:00 PM)
<b># of Hours</b>	<b>252</b>	<b>252</b>	<b>252</b>				