SYSTEM ELECTRICIAN APPRENTICE

3/18

Special Note: courses updated 3/18 Foretim1@pacbell.net 949-733-2874

Base Program

Learning Strategies		Course	Course	Study		
Basic Industrial Math Addition and Subtraction 186303 (Shours) Print Multiplication and Division 186304 (Shours) Print Multiplication and Division Fractions, Percents, Proportions, and Angles 186305 (Shours) Print Metric System 186307 (Shours) Print Metric System 186308 (Shours) Print Fractions, Percents, Proportions, and Angles 186307 (Shours) Print Introduction to Algebra Practical Measurements 186308 (Shours) Print Introduction to Algebra 186308 (Shours) Print Rulk Measurement 186125 (Shours) Print Rulk Measurement 186125 (Shours) Print Temperature Measurement 186127 Energy, Force, and Power 186128 Energy, Force, and Power 186128 (Shours) Print Practical Geometry and Trigonometry S567 10 hours Print Practical Geometry and Trigonometry S567 10 hours Print Introduction to Print Reading 186080 Shours Print Morking Safely With Electricity 186044 Shours Print OC Principles Block A31 Nature of Electricity S66112 Circuit Analysis and Ohm's Law 086113 Capacitors and Inductors Magnetism and Electromagnetism 086115 (Shours) Print Conductors, Insulators, and Batteries 086116 (Shours) Print Alternating Current 086118 Alternating Current 086119 Alternating Current Circuits 086119 Chotors and Generator Theory 086121 Capacitors in AC Circuits 086119 Chotors in AC Circuits 086110 Chotors in AC Circuits 086111 Chours Print Alternating Current Circuits 086111 Chours ORALL Shours Print Alternating Current Circuits 086119 Chotors in AC Circuits 086110 Chotors in AC Circuits 086111 Chours ORALL Shours Print Alternators 086123 (Shours) Print Alternators 086124 (Shours) Print Rectification and Basic Electronic Devices 086125 (Shours) Print Rectification and Basic Electronic Devices 086125 (Shours) Print Croul Measurement 086126 Shours Print Croul Measurement 086126 Shours Print Croul Measurement 086126 Shours Print Croul Measurement 086127 Chours Print Croul Measurement 086126 Shours Print Croul Measurement 086127 Chours Print Croul Measurement 086126 Shours Print Croul Measurement 086127 Chours Print Croul Measurement 086127 Chou	Course Title	Number	Duration	Unit		
Basic Industrial Math Addition and Subtraction 186303 Addition and Subtraction 186304 Addition and Division 186304 Introduction System Introduction to Algebra Introduction to Introduction Introduction to Introduction to Introduction Introduction to Introduction Introduction to Introduction In	T. C. A.	0.500.30	<i>7</i> 1	D : 4		
Addition and Subtraction Multiplication and Division Fractions, Percents, Proportions, and Angles I86305 Metric System I86306 Metric System I86307 Introduction to Algebra I86308 I86307 Introduction to Algebra I86308 I86						
Multiplication and Division 186304 Fractions, Percents, Proportions, and Angles 186305 Metric System 186306 Formulas 186307 Formulas 186307 Introduction to Algebra 186308 Fractical Measurements 186308 Block X32 Block X33 Block X32 Block X33 Block X32 Block X33 Block X34 Block X35 Block X36 Block X36 Block X37 Block X36 Block X37 Block X37 Block X37 Block X38 Block						
Fractions, Percents, Proportions, and Angles Metric System 186306 Metric System 186307 Metric System 186307 Metric System 186308 Metric System 186308 Metric System 186308 Metric System 186308 Metric Metric Metric Metric Linear and Distance Measurement 186125 Metric Bulk Measurement 186125 Metric Bulk Measurement 186126 Metric Bulk Measurement 186127 Metric Bulk Measurement 186128 Metric Bergy, Force, and Power 186128 Metric Brition Metric Brit Brition Brition Brition Brition Brition Brition Britio Brition Brition Brition Brition Brition Brition Brition Brition Brition B			` ` `			
Metric System 186306 (5 hours) Print Formulas 186307 (5 hours) Print Introduction to Algebra 186308 (5 hours) Print Practical Measurements Block X32 25 hours Print Bulk Measurement 186125 (5 hours) Print Bulk Measurement 186126 (5 hours) Print Temperature Measurement 186127 (5 hours) Print Energy, Force, and Power 186128 (5 hours) Print Fluid Measurement 186129 (5 hours) Print Algebra 2469A-E 50 hours Print Problem Solving and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186080 8 hours Print Introduction to Print Reading 186080 8 hours Print Morking Safely With Electricity 186108 (10 hours) Print Working Safely With Electricity 086113 (5 hours) Print Circuit Analysis and Ohm's Law			` ,			
Formulas			· · · ·			
Introduction to Algebra 186308 (5 hours) Print Practical Measurements Block X32 25 hours Print Linear and Distance Measurement 186125 (5 hours) Print Bulk Measurement 186126 (5 hours) Print Temperature Measurement 186127 (5 hours) Print Energy, Force, and Power 186128 (5 hours) Print Energy, Force, and Power 186128 (5 hours) Print Print Measurement 186129 (5 hours) Print Print Measurement 186129 (5 hours) Print Print Measurement 186129 (5 hours) Print Problem Solving and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print Working Safely With Electricity 186108 (10 hours) Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print Alternating Current 086118 (5 hours) Print Alternating Current 086119 (5 hours) Print Inductors in AC Circuits 086119 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 08612 (5 hours) Print Inductors in AC Circuits			` ,			
Practical Measurements Block X32 25 hours Print Linear and Distance Measurement 186125 (5 hours) Print Bulk Measurement 186127 (5 hours) Print Temperature Measurement 186127 (5 hours) Print Energy, Force, and Power 186128 (5 hours) Print Energy, Force, and Power 186129 (5 hours) Print Fluid Measurement 186129 (5 hours) Print Algebra 2469A-E 50 hours Print Practical Geometry and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print DC Principles Block A31 30 hours Print DC Principles Block A31 30 hours Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Magnetism and Electromagnetism 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AL Principles Block A32 40 hours Print Alternating Current 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Inductors in AC Circuits 086121 (5 hours) Print Inductors in AC Circuits 086125 (5 hours) Print Inductors in AC Circuits 086126 (5 hours) Print Inductors in AC Circuits 086126 (5 h						
Linear and Distance Measurement 186125 (5 hours) Print	g		` ′			
Bulk Measurement 186126 (5 hours) Print Temperature Measurement 186127 (5 hours) Print Energy, Force, and Power 186128 (5 hours) Print Fluid Measurement 186129 (5 hours) Print Algebra 2469A-E 50 hours Print Practical Geometry and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print Working Safely With Electricity 186108 (10 hours) Print DC Principles Block A31 30 hours Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print DC Motors, Insulators, and Batteries 086116 (5 hours) Print AC Principles Block A32 40 hours Print AC Principles Block A32 40 hours Print AL Principles Block A32 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Alternating Current Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators (5 hours) Print Altern						
Temperature Measurement 186127 (5 hours) Print Energy, Force, and Power 186128 (5 hours) Print Fluid Measurement 186129 (5 hours) Print Practical Geometry and Trigonometry 2469A-E 50 hours Print Practical Geometry and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Problem Solving and Circuits 186084 8 hours Print Problem Solving and Circuits 186084 8 hours Print Problem Solving and Circuits 186084 (10 hours) Print Problem Solving and Circuits 186084 (10 hours) Print Prin			` ,			
Energy, Force, and Power 186128 (5 hours) Print Fluid Measurement 186129 (5 hours) Print Algebra 2469A-E 50 hours Print Practical Geometry and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print Working Safely With Electricity 186108 (10 hours) Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Alternating Current Circuits 086120 (5 hours) Print Inductors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Transformers 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Rectification and Basic Electronic Devices 086126 (5 hours) Print Rectification and Basic Electronic Devices 086126 (5 hours) Print Rest Equipment 086126 (5 hours) Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print Prin			· · · ·			
Fluid Measurement 186129 (5 hours) Print Algebra 2469A-E 50 hours Print Practical Geometry and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print Working Safely With Electricity 186108 (10 hours) Print DC Principles Block A31 30 hours Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Capacitors, Insulators, and Batteries 086116 (5 hours) Print CONDUCTORS, Insulators, and Batteries 086116 (5 hours) Print AC Principles Block A32 40 hours Print AC Principles Block A32 40 hours Print ALternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Capacitors in AC Circuits 086120 (5 hours) Print Transformers 086123 (5 hours) Print Transformers 086123 (5 hours) Print Alternators 086124 (5 hours) Print Capacitors in AC Circuits 086123 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print			,			
Algebra 2469A-E 50 hours Print Practical Geometry and Trigonometry 5567 10 hours Print Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print Working Safely With Electricity 186108 (10 hours) Print DC Principles Block A31 30 hours Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print AC Principles Block A32 40 hours Print Alternating Current Circuits 086119 (5 hours) Print Alternating Current Circuits 086120 (5 hours) Print Inductors in AC Circuits 086121 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Rasic Test Equipment 080126 5 hours Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print			` ,			
Practical Geometry and Trigonometry Problem Solving and Troubleshooting Is6073 I0 hours Print Introduction to Print Reading I86080 Rhours Print Electrical Drawings and Circuits I86044 Rorking Safely With Electricity I86108 I0 hours Print Working Safely With Electricity I86108 I0 hours Print Correct Analysis and Ohm's Law Rosell12 Circuit Analysis and Ohm's Law Rosell13 Capacitors and Inductors Rosell4 Capacitors, Insulators, and Batteries Rottors, Insulators, and Batteries Rottors and Generator Theory Rottors and Generator Theory Rottors and Generator Theory Rottors and Generator Theory Rottors and Electromia Rosell18 Rottors in AC Circuits Rosell19 Rottors in AC Circuits Rosell20 Capacitors in AC Circuits Rosell21 Capacitors in AC Circuits Rosell22 Capacitors in AC Circuits Rosell23 Capacitors Rosell24 Capacitors Rosell25 Capacitors Rosell26 Capacitors Rosell27 Rosell27 Rosell28 Rosell28 Rosell29 R			` ,			
Problem Solving and Troubleshooting 186073 10 hours Print Introduction to Print Reading 186080 8 hours Print Electrical Drawings and Circuits 186044 8 hours Print Working Safely With Electricity 186108 (10 hours) Print DC Principles Block A31 30 hours Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current 086118 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Inductors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Electrical Energy Distribution 086125 (5 hours) Print Rasic Test Equipment 086126 5 hours Print Basic Test Equipment 086126 (5 hours) Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	e e					
Introduction to Print Reading Electrical Drawings and Circuits 186044 Working Safely With Electricity 186108 10						
Electrical Drawings and Circuits Working Safely With Electricity 186108 116108						
Working Safely With Electricity 186108 (10 hours) Print DC Principles Block A31 30 hours Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		186080	8 hours	Print		
DC Principles Block A31 30 hours Print Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Capacitors and Inductors 086115 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086121 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		186044		Print		
Nature of Electricity 086112 (5 hours) Print Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print Conductors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours) Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		186108	(10 hours)	Print		
Circuit Analysis and Ohm's Law 086113 (5 hours) Print Capacitors and Inductors 086114 (5 hours) Print Magnetism and Electromagnetism 086115 (5 hours) Print Conductors, Insulators, and Batteries 086116 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086119 (5 hours) Print Capacitors in AC Circuits 086120 (5 hours) Print Transformers 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	DC Principles	Block A31	30 hours	Print		
Capacitors and Inductors Magnetism and Electromagnetism Conductors, Insulators, and Batteries O86116 Conductors, Insulators, and Batteries O86116 OC Motors and Generator Theory O86117 AC Principles Block A32 A0 hours Print Alternating Current Alternating Current Circuits O86119 Inductors in AC Circuits O86120 Capacitors in AC Circuits O86121 Transformers O86122 Alternators O86123 Alternators D86124 Alternators D86125 Alternators D86126 Rectification and Basic Electronic Devices O86125 Analog Circuit Measurement Block A33 D86126 D86127 Bours Print Bours Print Analog Circuit Measurement O86126 Shours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) O86127 (5 hours) Print Frint Fr		086112	(5 hours)	Print		
Magnetism and Electromagnetism Conductors, Insulators, and Batteries 086116 (5 hours) Print Conductors, Insulators, and Batteries 086117 (5 hours) Print Conductors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current O86118 (5 hours) Print Alternating Current Circuits 086119 Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Alternators O86124 (5 hours) Print Electrical Energy Distribution Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 Block A34 Block A35 Block A35 Block A35 Block A36 Block A36 Block A37 Blo	Circuit Analysis and Ohm's Law	086113	(5 hours)	Print		
Conductors, Insulators, and Batteries 086116 (5 hours) Print DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Capacitors and Inductors	086114	(5 hours)	Print		
DC Motors and Generator Theory 086117 (5 hours) Print AC Principles Block A32 40 hours Print Alternating Current 086118 (5 hours) Print Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Magnetism and Electromagnetism	086115	(5 hours)	Print		
AC Principles Block A32 Alternating Current O86118 Alternating Current Circuits O86119 Inductors in AC Circuits O86120 Capacitors in AC Circuits O86121 Transformers O86122 Alternators O86123 Alternators O86123 Electrical Energy Distribution Rectification and Basic Electronic Devices O86125 Analog Circuit Measurement Block A33 Boshooting with Volt-Ohm-Milliamp Meter (VOMs) Block A32 A40 hours Print (5 hours) Print	Conductors, Insulators, and Batteries	086116	(5 hours)	Print		
Alternating Current Alternating Current Circuits O86119 Inductors in AC Circuits O86120 Capacitors in AC Circuits O86121 Transformers O86122 Alternators O86123 Electrical Energy Distribution Rectification and Basic Electronic Devices O86125 Analog Circuit Measurement Block A33 Basic Test Equipment O86126 Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) O86127 O86127 O86127 O86128 OF hours) Print OF hours OF hours	DC Motors and Generator Theory	086117	(5 hours)	Print		
Alternating Current Circuits 086119 (5 hours) Print Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	AC Principles	Block A32	40 hours	Print		
Inductors in AC Circuits 086120 (5 hours) Print Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Alternating Current	086118	(5 hours)	Print		
Capacitors in AC Circuits 086121 (5 hours) Print Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Alternating Current Circuits	086119	(5 hours)	Print		
Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Inductors in AC Circuits	086120	(5 hours)	Print		
Transformers 086122 (5 hours) Print Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Capacitors in AC Circuits	086121	(5 hours)	Print		
Alternators 086123 (5 hours) Print Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		086122		Print		
Electrical Energy Distribution 086124 (5 hours) Print Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Alternators	086123		Print		
Rectification and Basic Electronic Devices 086125 (5 hours) Print Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print	Electrical Energy Distribution	086124		Print		
Analog Circuit Measurement Block A33 15 hours Print Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		086125		Print		
Basic Test Equipment 086126 5 hours Print Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		Block A33	· · · · · · · · · · · · · · · · · · ·	Print		
Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs) 086127 (5 hours) Print		086126	5 hours	Print		
(VOMs) 086127 (5 hours) Print						
	•		(5 hours)	Print		
	Using Basic Oscilloscopes	086128	(5 hours)	Print		

SYSTEM ELECTRICIAN APPRENTICE PG2

Component Testers	086062	6 hours	Print			
Digital Test Equipment	086063	6 hours	Print			
Electrical Measuring Instruments	4146A-C	30 hours	Print			
Reading Electrical Schematic Diagrams	006022	10 hours	Print			
Electrical Blueprint Reading	006036	10 hours	Print			
Electricity and Magnetism	4010A-C	30 hours	Print			
Alternating Current Motors	4032	10 hours	Print			
Alternators	4031	10 hours	Print			
Transformers	4040	10 hours	Print			
Transformer Operation	4041	10 hours	Print			
Voltage Regulation of Distribution System	ns 4370	10 hours	Print			
Wiring Electrical Circuits	006037	10 hours	Print			
Electrical Wiring Practices	086E02	20 hours	Print			
Connecting Electrical Equipment Part 1	086074	5 hours	Print			
Connecting Electrical Equipment Part 2	086075	5 hours	Print			
National Electrical Code	5177EM	60 hours	Print			
Industrial Motor Controls (for PLCs)	006010 - 006012	30 hours	Print			
Storage Batteries	4343	10 hours	Print			
Instrument Transformers	6793	10 hours	Print			
Protective Relaying	6538A-B	20 hours	Print			
Switchgear	086092	10 hours	Print			
Fiber Optics	086E03	30 hours	Print			
Data, Voice and Video Cabling	086E16	20 hours	Print			
Radio Frequency Circuits	6515	10 hours	Print			
Electrical Power Distribution and Transmission						
for the Technician	786E01	80 hours	Print			

Estimated Total Curriculum Duration: 708 hours.

Number of Exams: 92.

DEVELOPED BY TIM GAVIN CONSULTANT/PENN FOSTER 949-733-2874 | foretim1@pacbell.net