



# Electrician

## Updated Module List 2024–2025

### 1<sup>st</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030101a	Safety Legislation, Regulations, and Industry Policy in the Trades	60			2nd Edition
030101b	Climbing, Lifting, Rigging and Hoisting	52			2nd Edition
030101c	Hazardous Materials and Fire Protection	64			2nd Edition
030101e	Electrical Safety	56	✓		2nd Edition
030102a	Current, Voltage, and Resistance	40			2nd Edition
030102b	Series Resistive Circuits	52			2nd Edition
030102c	Parallel Resistive Circuits	44			2nd Edition
030102d	Series-Parallel Resistive Circuits	56	✓		2nd Edition
030102e	Edison 3-Wire Distribution Systems	60			2nd Edition
030102f	Work, Energy, Power, and Efficiency	44			2nd Edition
030103a	Methods of Producing emf	32			2nd Edition
030103b	Cells and Batteries	52	✓		2nd Edition
030103c*	Photovoltaic	28	✓	✓	2nd Edition
030103d	Generators	56			2nd Edition
030104a	Measurement Equipment	48			2nd Edition
030104b	Conductors	40	✓		2nd Edition
030104c	Low Voltage Splicing and Terminating	40	✓		2nd Edition
030104d	Resistors	32			2nd Edition
030104e	Switching Circuits	44	✓		2nd Edition
030104f	Relays and Controls	32			2nd Edition
030104g	Extra-Low Voltage Switching	40	✓		2nd Edition
030104h	Alarm and Detection Systems	44			2nd Edition



## 1<sup>st</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030105a	Using the Canadian Electrical Code	44	✓		2nd Edition
030105b	Definitions and General Rules	24	✓		2nd Edition
030105c	Conductor Material and Sizes	48	✓		2nd Edition
030105d	Service and Grounding Requirements	44	✓		2nd Edition
030105e	Service, Feeders, and Branch Circuits	36	✓		2nd Edition
030105f	Wiring Methods	76			2nd Edition
030105g	Installation of Electrical Equipment	44	✓		2nd Edition
030105h	Installation of Lighting Equipment	52	✓		2nd Edition
030105i	Orthographic Projection and Diagrams	44			2nd Edition
030105j	Drawing Fundamentals	48			2nd Edition
030105k	Drawing Interpretation	56	✓		2nd Edition
<b>TOTAL</b>	<b>33 MODULES</b>	<b>1532</b>	<b>16/33</b>	<b>1/33</b>	

## 2<sup>nd</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030201a	Fundamentals of Alternating Current	32			2nd Edition
030201b	Properties of Inductors and Capacitors	40			2nd Edition
030201c	Inductors and Capacitors in Circuits	48			2nd Edition
030201d	Principles of ac Circuits	68			2nd Edition
030201e	Power Relationships	40			2nd Edition
030202a	Series ac Circuits	48			2nd Edition
030202b	Series RLC Circuits	88			2nd Edition
030202c	Parallel ac Circuits	44			2nd Edition
030202d	Parallel RLC Circuits	56			2nd Edition



## 2<sup>nd</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030202e	Single-Phase Motors	36			2nd Edition
030202f	Single-Phase Power Factor Correction	32			2nd Edition
030203a	Heating and Cooling Systems	48			2nd Edition
030203b	Forced-Air Heating Systems	68	✓		2nd Edition
030203c	Cooling Systems	40			2nd Edition
030203d	HVAC Rooftop Units	36	✓		2nd Edition
030203e	Hot Water Heating Systems	44	✓		2nd Edition
030203f	Heat Trace	28	✓		2nd Edition
030204a	Relays and Contactors	52	✓		2nd Edition
030204b	Timers and Smart Relays	24			2nd Edition
030204c	Pilot and Overcurrent Devices	48	✓		2nd Edition
030204d	Drawing and Diagram Conversion	40			2nd Edition
030204e	Motor Starters	68	✓		2nd Edition
030204f	Single Motor Control	40			2nd Edition
030204g	Reversing Motor Starters	40			2nd Edition
030205a	Electric Vehicle Charging	16			2nd Edition
030205b	Electrical Space Heating and Cooling	24	✓		2nd Edition
030205c	Service Ampacity for Apartments and Similar Buildings	56	✓		2nd Edition
030205d	Services and Service Equipment for Apartments and Similar Buildings	28	✓		2nd Edition
030205e	Capacitor Bank Installations	40	✓		2nd Edition
030205f	Pools, Mobile Homes and Temporary Wiring	40	✓		2nd Edition
030205g	Electrical Installations in Patient Care Areas	32	✓		2nd Edition
030205h	Class 1 and Class 2 Circuits	24			2nd Edition
030205i	Specifications	28			2nd Edition



## 2<sup>nd</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030205j	Drawings and Plans	48			2nd Edition
<b>TOTAL</b>	<b>34 MODULES</b>	<b>1444</b>	<b>13/34</b>	<b>0/34</b>	

## 3<sup>rd</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030301a	Three-Phase Systems	28		✓	1st Edition
030301b	Three-Phase Wye Connection	56		✓	1st Edition
030301c	Three-Phase Delta Connection	68		✓	1st Edition
030301d	Three-Phase Delta Wye Connection	28		✓	1st Edition
030301e	Three-Phase Power Analysis	68		✓	1st Edition
030301f	Three-Phase Power Factor Correction	60		✓	1st Edition
030302a	Three-Phase Induction Motors	56		✓	1st Edition
030302b	Operation of Three-Phase Induction Motors	56		✓	1st Edition
030302c	Three-Phase Motors and Starters	40		✓	1st Edition
030302d	Variable Frequency Drives	40		✓	1st Edition
030302e	Direct Current (dc) Machines	68		✓	1st Edition
030302f	Alternators	80		✓	1st Edition
030302g	Synchronous Motors	52		✓	1st Edition
030303a	Transformer Characteristics	64		✓	1st Edition
030303b	Single-Phase Transformer Operation	44		✓	1st Edition
030303c	Autotransformers	36		✓	1st Edition
030303d	Three-Phase Transformers	76		✓	1st Edition
030303e	Energy Measurement	36		✓	1st Edition
030304a	Grounding and Bonding Three-Phase Systems	44		✓	1st Edition



### 3<sup>rd</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030304b	Protection and Control	80		✓	1st Edition
030304c	Capacitor and Transformer Installations	72		✓	1st Edition
030304d	Substation and Submersible Pump Installations	24		✓	1st Edition
030304e	Individual Motors	52		✓	1st Edition
030304f	Motor Bank Installations	24		✓	1st Edition
<b>TOTAL</b>	<b>24 MODULES</b>	<b>1252</b>	<b>0/24</b>	<b>24/24</b>	

### 4<sup>th</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030401a	Drawings and Basic Circuits	48		✓	1st Edition
030401b	Diagram Conversion	28		✓	1st Edition
030401c	Controls and Switching Circuits	52		✓	1st Edition
030401d	Programmable Logic Controllers	72		✓	1st Edition
030401eA	Pneumatic and Hydraulic System Controls: Part A	84		✓	1st Edition
030401eB	Pneumatic and Hydraulic System Controls: Part B	84		✓	1st Edition
030402a	Fire Alarm System Regulations and Occupancy Classifications	28		✓	1st Edition
030402b	Fire Detection and Fire Alarm Systems	76		✓	1st Edition
030402c	Wiring Procedures for Fire Alarm Systems	56		✓	1st Edition
030402d	Verification and Maintenance of Fire Alarm Systems	24		✓	1st Edition
030403a	Arc Flash and Shock Hazards	68		✓	1st Edition
030403b	Personal Protective Grounding	44		✓	1st Edition
030403d	Workplace Coaching Skills	28		✓	1st Edition



4<sup>th</sup> PERIOD

NUMBER	NAME	PAGES	QA	DEV	EDITION
030404aA	Rectifiers: Part A	84		✓	1st Edition
030404aB	Rectifiers: Part B	48		✓	1st Edition
030404b	Filters	36		✓	1st Edition
030404c	Controlled Rectifiers	84		✓	1st Edition
030404d	Harmonics	52		✓	1st Edition
030404e	Uninterruptible Power Supply System	68		✓	1st Edition
030404f	Electronic Applications of Variable Frequency Drives	40		✓	1st Edition
030404g	Cathodic Protection	44		✓	1st Edition
030404h	Renewable Energy Systems	76		✓	1st Edition
030405a	Conductors	48		✓	1st Edition
030405b	Grounding and Bonding and Distribution Layout	52		✓	1st Edition
030405c	Wiring Methods	76		✓	1st Edition
030405d	Communication Systems and Cabling	44		✓	1st Edition
030405e	Electric Welders	36		✓	1st Edition
030405f	High Voltage	56		✓	1st Edition
030405g	Lighting, Emergency Systems, and Unit Equipment	48		✓	1st Edition
030405h	Hazardous Locations	64		✓	1st Edition
030405i	Flammable Gas Locations	40		✓	1st Edition
030405j	Corrosive and Wet Locations	28		✓	1st Edition
030405k	Occupational Applications	76		✓	1st Edition
<b>TOTAL</b>	<b>33 MODULES</b>	<b>1792</b>	<b>0/33</b>	<b>33/33</b>	