

MODEL ROUTE

School:	School of Engineering Technology & Applied Sciences - AMAT	Program Number:	4501 (Trade Code: 309A)	
Program Title:	Apprenticeship - Electrician, Construction Maintenance	Credential:	<input type="checkbox"/> Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Degree	<input type="checkbox"/> Graduate Certificate <input type="checkbox"/> Advanced Diploma <input checked="" type="checkbox"/> None
Delivery Mode:	<input checked="" type="checkbox"/> Non Co-Op <input type="checkbox"/> Co-Op <input type="checkbox"/> Fast Track	Duration:	<input type="checkbox"/> 2 Semesters <input type="checkbox"/> 4 Semesters <input type="checkbox"/> 8 Semesters	<input checked="" type="checkbox"/> 3 Levels <input type="checkbox"/> 6 Semesters <input type="checkbox"/> 9 Semesters

Intake: **2023F - 2024M**

Course Code	Course Title	Co/Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (15)	Total Hours
Level 1 Basic							
APEL 111	Canadian Electrical Code 1			33			33
APEL 112	Prints 1			30			30
APEL 113	Electrical Theory 1			64			64
APEL 114	Installation Methods 1		48				48
APEL 115	Instrumentation 1		12	12			24
APEL 116	Electronics 1		21	21			42
Total							241
Level 2 Intermediate							
APEL 211	Canadian Electrical Code 2	APEL 111 - 116		39			39
APEL 212	Prints 2	APEL 111 - 116		30			30
APEL 213	Electrical Theory 2	APEL 111 - 116		81			81
APEL 214	Installation Methods 2	APEL 111 - 116	39				39
APEL 215	Instrumentation 2	APEL 111 - 116	21	21			42
APEL 216	Electronics 2	APEL 111 - 116	19	21			40
APEL 217	Monitoring & Communication Systems	APEL 111 - 116	20	10			30
Total							301
Level 3 Advanced							
APEL 311	Canadian Electrical Code 3	APEL 211 - 217		30			30
APEL 312	Prints 3 (Construction & Maintenance Only)	APEL 211 - 217		30			30
APEL 313	Electrical Theory 3	APEL 211 - 217		60			60
APEL 314	Installation Methods 3	APEL 211 - 217	57	24			81
APEL 315	Instrumentation 3	APEL 211 - 217	20	19			39
APEL 317	Electronics 3	APEL 211 - 217	30	30			60
Total							300
Total Program Hours:							842

Notes:
 C = Co-Requisite; P = Pre-Requisite

Minimum Program GPA of 2.00 is required for graduation

Signature:	<i>Donald Wang</i>		April 12, 2022
	AMAT Chair		Revised Date