

## MODEL ROUTE

<b>School:</b>	School of Engineering Technology & Applied Sciences - AMAT	<b>Program Number:</b>	4501 (Trade Code: 309A)	
<b>Program Title:</b>	Apprenticeship - Electrician, Construction Maintenance	<b>Credential:</b>	<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
<b>Delivery Mode:</b>	<input checked="" type="checkbox"/> Non Co-Op <input type="checkbox"/> Co-Op <input type="checkbox"/> Fast Track	<b>Duration:</b>	<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:** **2021F - 2022M**

Course Code	Course Title	Co/Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (15)	Total Hours
<b>Level 1</b>		<b>Basic</b>					
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
<b>Total</b>							<b>241</b>
<b>Level 2</b>		<b>Intermediate</b>					
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
<b>Total</b>							<b>301</b>
<b>Level 3</b>		<b>Advanced</b>					
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
<b>Total</b>							<b>300</b>
<b>Total Program Hours:</b>							<b>842</b>

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

<b>Signature:</b>	<i>Donald Wang</i>		
	AMAT Chair		Revised Date