

## MODEL ROUTE

<b>School:</b>	School of Engineering Technology & Applied Sciences - AMAT	<b>Program Number:</b>	3822					
<b>Program Title:</b>	Electrical Engineering Technician	<b>Credential:</b>	<input type="checkbox"/> Certificate	<input type="checkbox"/> Graduate Certificate	<input checked="" type="checkbox"/> Diploma	<input type="checkbox"/> Advanced Diploma	<input type="checkbox"/> Degree	
<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"/> 3 Semesters	<input checked="" type="checkbox"/> 4 Semesters	<input type="checkbox"/> 6 Semesters	<input type="checkbox"/> 8 Semesters	<input type="checkbox"/> 9 Semesters
<b>Intake:</b>	<b>Fall 2024 &amp; Winter 2025</b>							
<b>Course Code</b>	<b>Course Title</b>	<b>Co/Pre-Requisite (Course Code)</b>	<b>Lab Hours</b>	<b>Lecture Hours</b>	<b>Total Weekly Hours</b>	<b>Weeks (14)</b>	<b>Total Hours</b>	
<b>Semester 1</b>	<b>Fall 2024 &amp; Winter 2025</b>							
EET-114	Drawing Interpretation		0	3	3	14	42	
EET-115	Installation Methods 1		3	0	3	14	42	
EET-116	Canadian Electrical Code 1		0	2	2	14	28	
EET-117	Electrical Theory 1		2	4	6	14	84	
MATH-101	Mathematics 1		0	4	4	14	56	
EET-411	Electrical Student Support & Success Course		0	1	1	14	14	
COMM-160/161	College Communications 1		0	3	3	14	42	
<b>Total</b>							<b>308</b>	
<b>Semester 2</b>	<b>Winter 2025 &amp; Summer 2025</b>							
EET-124 ♦	AutoCAD		2	0	2	14	28	
EET-125	Drawing and Installation Methods 2	P: EET-114, EET-115	2	2	4	14	56	
EET-126 ♦	Instrumentation 1	P: MATH-101	2	2	4	14	56	
EET-127 ♦	Canadian Electrical Code 2	P: EET-116	0	2	2	14	28	
EET-128	Electrical Theory 2	P: EET-117, MATH-101	0	4	4	14	56	
EET-129	Electronics 1	P: EET-117, MATH-101	2	2	4	14	56	
MATH-102	Mathematics 2	P: MATH-101	0	4	4	14	56	
<b>Total</b>							<b>336</b>	
<b>Semester 3</b>	<b>Fall 2025</b>							
EET-123	Electronics 2	P: EET-129	2	2	4	14	56	
EET-215	Introduction to Programmable Logic Controllers	P: MATH-101	3	0	3	14	42	
EET-216 ♦	Drawing and Installation Methods 3	P: EET-125	2	2	4	14	56	
EET-217 ♦	Electrical Theory 3	P: EET-128, MATH 102, EET-411	0	3	3	14	42	
COMM-170/171	College Communications 2	P: COMM-160/161	0	3	3	14	42	
GNE-500 ♦	Global Citizenship: From Social Analysis to Social Action		0	3	3	14	42	
GNE ♦	General Education Elective		0	3	3	14	42	
<b>Total</b>							<b>322</b>	
<b>Semester 4</b>	<b>Winter 2026</b>							
GNE ♦	General Education Elective		0	3	3	14	42	
EET-223 ♦	Electronics 3	P: EET-123	2	2	4	14	56	
EET-225	Capstone Project	P: EET-124, EET-215, EET-217	2	1	3	14	42	
EET-226	Electric Power Generation & Distribution	P: EET-217	2	2	4	14	56	

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**Intake:** **Fall 2024 & Winter 2025**

Course Code	Course Title	Co/Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (14)	Total Hours
EET-227	Instrumentation 2	P: EET-126, MATH-102, EET 215	2	2	4	14	56
EET-228	Monitoring Systems & Networking	P: EET-215, MATH-102	2	2	4	14	56
AMEG-212 ♦	Applied Ethics in Technology and the Environment		0	2	2	14	28
<b>Total</b>							<b>336</b>
<b>Total Program Hours:</b>							<b>1302</b>

Notes:

C = Co-Requisite; P = Pre-Requisite

Minimum Program GPA of 2.00 is required for graduation

♦ This course may be offered in one of the following modalities: Online, Hybrid, or Blended

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**Scheduled Breaks:**

Fall 2024 intake has a scheduled breaks in Summer 2025

Winter 2025 intake has no scheduled break

<b>Signature:</b>	<i>Donald Wang</i>		April 2, 2024
	AMAT Chair		Revised Date