MODEL ROUTE

School:	School of Engineering Technology & Applied Sciences - AMAT	**Program Number:**	3822
Program Title:	Electrical Engineering Technician	**Credential:**	☐ Certificate ☑ Diploma ☐ Degree ☐ Graduate Certificate ☐ Advanced Diploma
Delivery Mode:	☑ Non Co-Op ☐ Co-Op ☐ Fast Track	**Duration:**	☐ 2 Semesters ☑ 4 Semesters ☐ 8 Semesters ☐ 3 Semesters ☐ 6 Semesters ☐ 9 Semesters
Intake:		**Fall 2023 & Winter 2024**	

Course Code	Course Title	Co/Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (14)	Total Hours
Semester 1		**Fall 2023 & Winter 2024**					
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
COMM-160/161	College Communications 1		0	3	3	14	42
GNED ◆	General Education Elective		0	3	3	14	42
						Total	336
Semester 2		**Winter 2024 & Summer 2024**					
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
						Total	336
Semester 3		**Fall 2024**					
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	0	3	3	14	42
COMM-170/171	College Communications 2	P: COMM-160/161	0	3	3	14	42
GNED-500 ◆	Global Citizenship: From Social Analysis to Social Action		0	3	3	14	42
GNED ◆	General Education Elective		0	3	3	14	42
						Total	322
Semester 4		**Winter 2025**					
EET-223 ◆	Electronics 3	P: EET-123	2	2	4	14	56
EET-225	Capstone Project	P: EET-124, EET-215, EET-217	3	1	4	14	56
EET-226	Electric Power Generation & Distribution	P: EET-217	2	2	4	14	56
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

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Intake:	**Fall 2023 & Winter 2024**							

Course Code	Course Title	Co/Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (14)	Total Hours
AMEG-212 ◆	Applied Ethics in Technology and the Environment		0	2	2	14	28
						Total	308
						Total Program Hours:	1302

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

Signature:	*Donald Wang*		April 12, 2022	
	AMAT Chair		Revised Date	