MODEL ROUTE

School:	School of Engineering Technology & Applied Sciences - AMAT	**Program Number:**	3833
Program Title:	Electrical Engineering Technology Fast Track	**Credential:**	☐ Certificate ☐ Graduate Certificate ☐ Diploma ☑ Advanced Diploma ☐ Degree
Delivery Mode:	☑ Non Co-Op ☐ Co-Op ☑ Fast Track	**Duration:**	☐ 2 Semesters ☐ 3 Semesters ☑ 4 Semesters ☐ 6 Semesters ☐ 8 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 3	**Fall 2023 & Winter 2024**						
EET-118	Drawing Interpretation 1 & 2		0	5	5	14	70
EET-119	Installation Methods 1 & 2		5	0	5	14	70
EET-120	Canadian Electrical Code 1 & 2		0	4	4	14	56
EET-215	Introduction to Programmable Logic Controllers		3	0	3	14	42
EET-217 ♦	Electrical Theory 3		0	3	3	14	42
AMEG-212 ♦	Applied Ethics in Technology and the Environment		0	2	2	14	28
COMM-160/161	College Communications 1		0	3	3	14	42
						Total	350
Semester 4	**Winter 2024 & Summer 2024**						
EET-124 ♦	AutoCAD		2	0	2	14	28
EET-216 ♦	Drawing and Installation Methods 3	P: EET-118, EET-119	2	2	4	14	56
EET-223 ♦	Electronics 3		2	2	4	14	56
EET-226	Electric Power Generation & Distribution	P: EET-217	2	2	4	14	56
EET-228	Monitoring Systems & Networking	P: EET-120	2	2	4	14	56
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
						Total	336
Semester 5	**Fall 2024**						
EET-311	Programming Languages		3	0	3	14	42
EET-325	Advance Control Wiring	P: EET-215, EET-216	3	2	5	14	70
EET-313	Project Design & Management	P: EET-124, EET-223, EET-217	4	0	4	14	56
EET-314	Lighting Design & Technology	P: EET-124, EET-228	2	2	4	14	56
EET-323	Microcomputer Interfacing	P: EET-223 | C: EET-311	2	2	4	14	56
ENGL-250	Report Writing in a Technical Environment	P: COMM-170/171	0	2	2	14	28
						Total	308
Semester 6	**Winter 2025**						
EET-321	Power Quality and System Analysis	P: EET-226	2	2	4	14	56
EET-322	Distributed Energy and Management Systems	P: EET-226	2	2	4	14	56
EET-324	Technology Capstone Project	P: EET-313, EET-323, ENGL-250	4	0	4	14	56
EET-312	Advance Control Systems		2	2	4	14	56
EET-326	Signals & Communications	P: EET-228, EET-223	2	2	4	14	56
GNED ♦	General Education Elective		0	3	3	14	42

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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
						Total	322
						Total Program Hours:	1316

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	