

MODEL ROUTE

School:	School of Engineering Technology & Applied Sciences - AMAT	Program Number:	3824				
Program Title:	Electrical Engineering Technology Co-Op	Credential:	<input type="checkbox"/> Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Degree	<input type="checkbox"/> Graduate Certificate <input checked="" type="checkbox"/> Advanced Diploma			
Delivery Mode:	<input type="checkbox"/> Non Co-Op <input checked="" 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 type="checkbox"/> 3 Semesters <input type="checkbox"/> 6 Semesters <input checked="" type="checkbox"/> 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
GNE♦	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
GNE♦-500	Global Citizenship: From Social Analysis to Social Action		0	3	3	14	42
MATH-285	Calculus	P: MATH-102	0	4	4	14	56
Total							336
Semester 4	Winter 2025						
EET-223♦	Electronics 3	P: EET-123	2	2	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
MATH-221	Mathematics 4	P: MATH-285	0	4	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

Semester 5	Fall 2025						
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
COOP-721	Employment Preplacement	P: COMM-170/171 with minimum "C" grade; CGPA 2.5 or higher; 80% of courses from years 1 & 2 completed	0	1	1	14	14
Total							322

Semester 3C	Winter 2026						
COOP-222	Co-Op Work Placement 1	P: COOP-721					
Semester 4C	Summer 2026						
COOP-331	Co-Op Work Placement 2	P: COOP-721					
Semester 5C	Fall 2026						
COOP-332	Co-Op Work Placement 3	P: COOP-721					

Semester 6	Winter 2027						
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	P: MATH-221	2	2	4	14	56
EET-326	Signals & Communications	P: EET-228, EET-223, MATH-285	2	2	4	14	56
GNE♦	General Education Elective		0	3	3	14	42
Total							322
Total Program Hours:							1960

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