

MODEL ROUTE

School:	School of Engineering Technology & Applied Sciences - AMAT	Program Number:	3823					
Program Title:	Electrical Engineering Technology	Credential:	<input type="checkbox"/> Certificate	<input type="checkbox"/> Graduate Certificate	<input type="checkbox"/> Diploma	<input checked="" type="checkbox"/> Advanced Diploma	<input type="checkbox"/> Degree	
Delivery Mode:	<input checked="" type="checkbox"/> Non Co-Op <input type="checkbox"/> Co-Op <input type="checkbox"/> Fast Track	Duration:	<input type="checkbox"/> 2 Semesters	<input type="checkbox"/> 3 Semesters	<input type="checkbox"/> 4 Semesters	<input checked="" type="checkbox"/> 6 Semesters	<input type="checkbox"/> 8 Semesters	<input type="checkbox"/> 9 Semesters
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	
Semester 1	Fall 2024 & Winter 2025							
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	
EET-411	Electrical Student Support & Success Course		0	1	1	14	14	
MATH-101	Mathematics 1		0	4	4	14	56	
COMM-160/161	College Communications 1		0	3	3	14	42	
Total							308	
Semester 2	Winter 2025 & Summer 2025							
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 2025							
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) or FT Code	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	
MATH-285	Calculus	P: MATH-102	0	4	4	14	56	
Total							336	
Semester 4	Winter 2026							
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	

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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-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
GNE-D	General Education Elective		0	3	3	14	42
AMEG-212 ♦	Applied Ethics in Technology and the Environment		0	2	2	14	28
Total							350

Semester 5	Fall 2026						
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 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	3	0	3	14	42
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-D ♦	General Education Elective		0	3	3	14	42
Total							308
Total Program Hours:							1946

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

Scheduled Breaks:

Fall 2024 intake has scheduled breaks in Summer 2025 and Summer 2026

Winter 2025 intake has a scheduled break in Summer 2026

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Course Code	Course Title	Co/Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (14)	Total Hours
Signature:	<i>Donald Wang</i>			April 2, 2024			
	AMAT Chair			Revised Date			