

Module Code	Module Name	Prerequisite /Corequisite (if any)	CREDIT VALUE	Results
YEAR 3 - Semester 2 – (13 Credits)				
Communication Minor [Yr. 3 - Sem. 2] - (13 Credits)				
EEE3003	Broadcast, Cable & Satellite TV/Telephony Systems	EEE2001 [P] EEE3005 [T]	3	
ELE3020	Control Systems 2	ELE3019 [T]	3	
ENG3007	Industrial Workshop	Complete Level 2	1	
ENG3008	Microwave Systems	EEE2001 [P]	3	
ENG3009	Data Communications Networks	EEE3005 [T]	3	
Power Minor [Yr. 3 - Sem. 2] – (13 Credits)				
EEL3001	Instrument & Control Systems	Complete Level 2	3	
ELE3015	Power Systems 2	ELE2212 [P]	3	
ELE3016	Heavy Current Applications	ELE2212 [P] ELE2014 [P] ENG3014 [T]	3	
ELE3017	Energy Conservation	Complete Level 2	3	
ENG3014	Industrial Workshop	ELE3014 [T]	1	
Instrumentation Minor [Yr. 3 - Sem. 2] – (13 Credits)				
EEL3003	Instrument Systems 2	EEL3002 [T]	3	
EEL3006	Process Measurement & Control	Complete Level 2	3	
EEL3007	Fluid Power, Hydraulics & Pneumatics	ENG2001 [P]	3	
ELE3020	Control Systems 2	ELE3019 [T]	3	
ENG3015	Industrial Workshop	Complete Level 2	1	

F. Y. I.:
Updated June 2023

Total Number of Credits = 93

Electrical Engineering Diploma Students are **NOT** required to do Electives.
Remember your Academic Advisor is here to assist you
in making your academic decisions!



University of Technology, Jamaica Module Selection Guide

School of Engineering



Diploma in Electrical Engineering

Class of 2026

Student's Name:

Student's ID #:

➤ **Start Date: August 2023**

Academic Advisor's Name:

*To be awarded the Diploma in Electrical Engineering, students **must** complete 93 credits.*

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Module Code	Module Name	Prerequisite /Corequisite (if any)	CREDIT VALUE	Results
YEAR 1 - Semester 1 – (13 Credits)				
COM0001 (P)	Developmental English (if required)		0	
MAT1058	Engineering Mathematics 1A		4	
MEE1002	Mechanical Engineering Science		3	
CHY1021	Fundamentals of Chemistry		3	
MEE1003	Mechanical Workshop 1		2	
CSP1001	Community Service Project		1	
YEAR 1 - Semester 2 – (17 Credits)				
MAT1059	Engineering Mathematics 1B	MAT1058 [T]	4	
ELE1002	Electrical Engineering Science	MAT1058 [T]	3	
COM1024	Academic Literacy for Undergraduate	COM0001 [P]	3	
MEE1004	Technical Drawing		2	
ELE1003	Electrical Workshop		2	
MEE2003	Materials Science		3	
YEAR 2 - Semester 1 (All Minors) – (14 Credits)				
MAT2054	Engineering Mathematics 2A	MAT1059 [T]	3	
ELE2110	Electrical Circuits & Networks	ELE1002 [T] MAT1058 [P] MAT1059 [T]	3	
ELE 2013	Introduction to Electronic Devices & Circuits	ELE1002 [T]	3	
ENG2017	Technologist in Society		2	
CMP1014	Computer Application to Engineering		3	
YEAR 2 - Semester 2 (All Minors) – (15 Credits) ⁺³				
ELE2014	Electrical Machines	ELE1002 [T] MAT1058 [P] MAT1059 [P] ELE2110 [T]	3	
ELE2015	Digital Electronics	MAT1059 [P] CMP1014 [T]	3	
MAT2055	Engineering Mathematics 2B	MAT2054 [T]	3	
COM2016	Critical Thinking Reading & Writing	COM1024 [P]	3	
ELE2211	Industrial Electronics & Mechatronics	ELE2013 [T]	3	

Module Code	Module Name	Prerequisite /Corequisite (if any)	CREDIT VALUE	Results
Communication Minor [Yr. 2 - Sem. 2] – (3 Credits)				
EEE2001	Communication Theory	ELE1002 [P]	3	
Power Minor [Yr. 2 - Sem. 2] – (3 Credits)				
ELE2212	Power Systems 1	ELE1002 [P] ELE2110 [T]	3	
Instrumentation Minor [Yr. 2 - Sem. 2] – (3 Credits)				
ENG2001	Fluid Mechanics	MEE1002 [P]	3	
YEAR 3 - Semester 1 (All Minors) – (6 Credits) ⁺¹²				
ENG3003	Industrial Administration	Complete Level 1	3	
* PRJ3003	Final Project → “Year-Long” *** (Semesters 1 & 2)	Complete Level 2 COM1024 COM2016	3	
Communication Minor [Yr. 3 - Sem. 1] – (12 Credits)				
EEE3005	Digital Communications	ELE2015 [P] EEE2001 [T] MAT2055 [T]	3	
ELE3009	Antenna & Propagation	EEE2001 [T]	3	
ELE3018	Electronics Design & Testing	ELE2013 [P]	3	
ELE3019	Control Systems 1	ELE2211 [P]	3	
Power Minor [Yr. 3 - Sem. 1] – (12 Credits)				
ELE3014	Electrical Power Design & Troubleshooting	ELE3021 [T] ELE2212 [T]	3	
ELE3021	Electrical Machines 2	ELE2014 [P]	3	
ENG4004	Power Electronics	ELE2211 [P]	3	
ENG2002	Thermodynamics 1	MEE1002 [P]	3	
Instrumentation Minor [Yr. 3 - Sem. 1] – (12 Credits)				
EEE3004	Instrument Design & Troubleshooting	ELE3019 [P] ELE2013 [P]	3	
EEL3002	Instrument System 1	ELE2211 [P]	3	
EEL3005	Automation PC & PLC's	ELE1002 [P]	3	
ELE3019	Control Systems 1	ELE2211 [P]	3	