

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

**F. Y. I.:**  
**Updated July 2020**

**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 2023*

Student's Name: .....

Student's ID #: .....

➤ **Start Date: August 2020**

Academic Advisor's Name: .....

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

Contact Info: **Dr. Milton Richardson** (Programme Director) – (876) 970-5230  
**Ms. Anieta Dunkley** (Programme Secretary) – (876) 970-5236

Module Code	Module Name	Prerequisite /Corequisite (if any)	CREDIT VALUE	Results
<b>YEAR 1 - Semester 1 – (13 Credits)</b>				
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	
<b>YEAR 1 - Semester 2 – (17 Credits)</b>				
MAT1059	Engineering Mathematics 1B	MAT1058 [T]	4	
ELE1002	Electrical Engineering Science	MAT1058 [T]	3	
COM1020	Academic Writing 1	COM0001	3	
MEE1004	Technical Drawing		2	
ELE1003	Electrical Workshop		2	
MEE2003	Materials Science		3	
<b>YEAR 2 - Semester 1 (All Minors) – (14 Credits)</b>				
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	
<b>YEAR 2 - Semester 2 (All Minors) – (15 Credits) <sup>+3</sup></b>				
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	
COM2014	Academic Writing 2	COM1020 [P]	3	
ELE2211	Industrial Electronics & Mechatronics	ELE2013 [T]	3	

Module Code	Module Name	Prerequisite /Corequisite (if any)	CREDIT VALUE	Results
<b>Communication Minor [Semester 2] – (3 Credits)</b>				
EEE2001	Communication Theory	ELE1002 [P]	3	
<b>Power Minor [Semester 2] – (3 Credits)</b>				
ELE2212	Power Systems 1	ELE1002 [P] ELE2110 [T]	3	
<b>Instrumentation Minor [Semester 2] – (3 Credits)</b>				
ENG2001	Fluid Mechanics	MEE1002 [P]	3	
<b>YEAR 3 - Semester 1 (All Minors) – (6 Credits) <sup>+12</sup></b>				
ENG3003	Industrial Administration	Complete Level 1	3	
<b>* PRJ3003</b>	Final Project → “Year-Long” *** (Semesters 1 & 2)	Complete Level 2 COM1020 COM2014	3	
<b>Communication Minor [Semester 1] – (12 Credits)</b>				
EEE3005	Digital Communications	ELE2015 [P] EEE2001 [T] MAT2055 [T]	3	
ELE3009	Antenna & Propagation	ELE2001 [T]	3	
ELE3018	Electronics Design & Testing	ELE2013 [P]	3	
ELE3019	Control Systems 1	ELE2211 [P]	3	
<b>Power Minor [Semester 1] – (12 Credits)</b>				
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	
<b>Instrumentation Minor [Semester 1] – (12 Credits)</b>				
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	