Module Code	Module Name	Prerequisite /Co - requisite (if any)	CREDITS	Modality
Semester 7				
ENG4010	Industrial Work Experience (400 hours)	None	2	F2F
MEE4001	Energy Conversion Systems	None	3	F2F
	Specialisation Electives 1	None	3	F2F
ENG4016	Management for Engineers	None	3	F2F
	University Elective	None	3	F2F
PRJ4029	Major project 1: Research		3	F2F
MEE3041	Engineering Mechanics Lab. 2	None	2	F2F
Semester 8				
ENT3001	Entrepreneurship	None	3	F2F
	Engineering Elective 1	None	3	F2F
	Specialization Elective 2	None	3	F2F
PRJ4030	Major Project 2: Design and Build	PRJ 4029	3	F2F

F. Y. I.

- **Please speak to your Programme Director/Academic Advisor about electives and to confirm whether there are module changes. Remember your Academic Advisor is here to assist you in making your academic decisions!**
- **Check the student portal to identify your academic advisor.**
- **Please note prerequisites for each module is stated in the column provided.**

University of Technology, Jamaica

Module Selection Guide

School of Engineering

B.Eng in Mechanical Engineering

Student's Name: ……

Student's Id #: .....

Start Date: August 2024

Name - Academic Advisor/PL/PD: ……...

To be awarded the B.Eng Degree in Mechanical Engineering, students must complete 133 credits including 12 credits from electives offering.

Contact Info: Hugh Cargill, *Programme Director* 970-5237
Denise Currie-Charles, *Programme Secretary* 970-5252

Module Code	Module Name	Prerequisite /Co-requisite (if any)	CREDITS	Modality
Semester 1				
CMP1003	Computers in Engineering	CXC Mathematics	4	F2F
COM1014	Academic Literacy for Undergraduates	COM0001 (P)	3	F2F
ENG1008	Introduction to Engineering	None	2	F2F
LIB1001	Library Fundamentals	None	1	F2F
MAT2018	BEng. Maths 1- Calculus 1	A Level/CAPE/PCS Maths (P)	3	F2F
PHS1005	Engineering Physics1	A Level/CAPE/PCS Physics (P)	4	F2F
CSP1001	Community Service Project	None	1	F2F
Semester 2				
CHY2021	General Chemistry 1	CXC/PCS Chemistry	3	F2F
CHY2022	General chemistry 2	CXC/PCS Chemistry	1	F2F
ENG1001	Engineering Graphics	None	3	F2F
ENG1005	Engineering Workshop	None	2	F2F
MAT2022	BEng Mathematics 2 (Calculus 2)	MAT2018 (P)	3	F2F
ENG2008	Engineering Statics	A Level/CAPE/PCS Physics	3	F2F
Semester 3				
COM2016	Critical Thinking, Reading & Writing	COM1014 (P)	3	F2F
ENG1006	Engineering Seminar	None	1	F2F
MAT3004	Beng. Maths 3 – Differential Equation & Applications	MAT2022 (P)	3	F2F
ELE2210	Electrical Technology	None	3	Blended
ENG2006	Engineering Drawing and Design	ENG1001 or MEE1004	3	F2F
ENG2002	Thermodynamics 1	MAT2018/PHS1005 (T)	3	F2F

Module Code	Module Name	Prerequisite /Co-requisite (if any)	CREDITS	Modality
Semester 4				
MEE2004	Mechanics of Solids	ENG2008 (T)	3	F2F
STA2023	Engineering Statistics	None	3	F2F
MEE2003	Material Science	None	3	F2F
MEE2002	Engineering Dynamics	ENG2008 (T)	3	F2F
MEE2001	Mechanical workshop with Metrology	None	4	F2F
MEE2018	Engineering Mechanics Lab 1	None	2	F2F
Semester 5				
MEE3002	Mechanics of Machine	MEE2002	3	F2F
MEE3003	Fluid Mechanics	MAT2018 /(T)	3	F2F
MEE3001	Design of Mechanical Elements	ENG2006 (T)	3	F2F
ENG3002	Thermodynamics 2	ENG2002 (P)	3	F2F
MEE2017	Thermal Fluid Science Lab 1	None	2	F2F
MEE2019	Material Science Lab	None	2	F2F
Semester 6				
MEE3004	Heat Transfer	ENG2002 , ENG (3002)	3	F2F
MEE3038	Control Systems	MAT3004, and MAT2022	3	F2F
ELE3010	Electrical Machines	ELE2210	4	F2F
MEE4002	Strength of Materials	MEE2004	3	F2F
CMP3004	Computer Aided Design and Manufacturing	None	3	F2F
MEE3039	Thermal Fluid Science Lab. 2	None	2	F2F