

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

## 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 2023

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: Damian Graham, *Programme Director* 970-5237  
Denise Currie-Charles, *Programme Secretary* 970-5252

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

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