

Module Code	Module Name	Prerequisite /Co - requisite (if any)	CREDITS	Modality
<b>Semester 1 (Year 4)</b>				
ENG4010	Industrial Work Experience		2	
ENG4016	Management for Engineers		3	F2F
PRJ4029	<b>Major Project 1:</b> Research Methods	PRJ4024 (T)	3	F2F
INE4001	Introduction to Simulation		3	F2F
ENG3017	Management of Technology			F2F
INEXXXX	Specialization Elective 1		3	F2F
<b>Semester 2 (Year 4)</b>				
	University Electives		3	
MEE/ENG	Technical Electives		3	F2F
INExxx	Specialization Elective 2		3	F2F
<b>PRJ4030</b>	<b>Major Project 2:</b> Design & Build		3	
INE4010	Organizational Behaviour & Leadership	NONE	3	F2F

Note

NOTE:

**Information on Prerequisites**

Special arrangements will be made for articulated students.

**Note on Electives**

Students should seek academic advisement before selecting elective modules.

**Remember, your academic Advisor is here to assist you in making your academic decisions!**

**Note on Advisement:** Each student is assigned an academic advisor and should seek advice before selecting modules.  
(See Student's Portal for the name of your Academic Advisor)

**Other information**

**Contact Information:**

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**University of Technology, Jamaica**  
**Module Selection Guide**  
**Faculty of Engineering and Computing**  
**School of Engineering**



**Course of Study/ Programme:**

**Bachelor of Engineering in Industrial Engineering**

**Specializations:**

**Manufacturing or Engineering Management**

Student's Name: .....

Student's I.D. #: .....

Start Date: **August 2023**

Name - Academic Advisor/PL/PD: .....

Module Code	Module Name	Prerequisite /Co-requisite (if any)	CREDITS	Modality
Semester 1(Year 1)				
COM1024	Academic Literacy for Undergraduates		3	Blended
MAT2018	B. Eng Mathematics 1		3	
ENG1008	Introduction to Engineering		3	F2F
ECE1002	Engineering Computing		3	F2F
PHS1005	Engineering Physics 1		4	
LIB1001	Library Fundamentals		1	F2F
CSP1001	Community Service Project		1	
Semester 2 (Year 1)				
ELE2210	Electrical Technology		3	
CHY2021	General Chemistry 1		3	
CHY2022	General Chemistry Lab 1		1	
ENG1001	Engineering Graphics		3	F2F
ENG2008	Engineering Statics		3	F2F
MAT2022	B. Eng Mathematics 2	MAT2018 (P)	3	
ENG1005	Engineering Workshop		2	F2F
Semester 1 (Year 2)				
COM2016	Critical Thinking, Reading and Writing		3	Blended
INE2001	Programming for Industrial Engineers		3	F2F
ENG2006	Engineering Drawing & Design	ENG1001	3	F2F
ENG1006	Engineering Seminar		1	F2F
ENT3001	Entrepreneurship		3	
MAT3004	B. Eng Mathematics 3	MAT2022 (P)	3	

Module Code	Module Name	Prerequisite /Co-requisite (if any)	CREDITS	Modality
Semester 2 (Year 2)				
MEE2003	Material Science		3	F2F
MAT1043	Linear Algebra		3	
INE2002	Manufacturing Systems		3	F2F
MEE3038	Controls Systems		3	F2F
STA2023	Engineering Statistics		3	
POM3010	Operations Management		3	F2F
Semester 1 (Year 3)				
RES3020	Operations Research 1	STA2023 (T)	3	F2F
INE3010	Supply Chain & Logistics Engineering		3	F2F
INE3011	Business Process Engineering & Analytics		3	F2F
INE3012	Quality Control and Management	STA2023 (P)	3	F2F
CMP3004	Computer Aided Design and Manufacturing		3	F2F
ENG3011	Engineering Economics		3	F2F
Semester 2 (Year 3)				
INE3004	Facility Planning and Control		3	F2F
INE4003	Ergonomics & Human Factors Engineering		3	F2F
INE3005	Work Measurement and Design	STA2023 (T)	3	F2F
MEE3010	Project Management		3	F2F
MEE3008	Manufacturing Processes		4	F2F
RES3021	Operations Research 2			F2F

Module Code	Module Name	Prerequisite /Corequisite (if any)	Credits	Modality
	Specialize Electives (Manufacturing)			
MEE3005	Industrial Systems & Material Handling		3	
MEE4003	Advanced Manufacturing Processes		3	
MEE3007	Design for Manufacturing		3	
ENG4018	Human Factors Engineering		3	
INE4004	Introduction to Robotics		3	
	Specialize Electives (Engineering Management)			
ENG4020	Maintenance Engineering & Management		3	
POM3008	Advanced Operations Management (Ops. Management 2)		3	
INE4013	Management of Information Systems for Industrial Engineers		3	
ENG4022	Quality Engineering		3	
	Technical Electives:			
INE4012	Energy Management		3	
INE4014	Introduction to Safety and Reliability Engineering		3	
INE4017	Information Systems		3	
INE4015	Design of Industrial Experiments		3	
INE4016	Financial Engineering		3	
INE3013	Introduction to Software Engineering		3	