

BEng (Industrial & Systems Engineering)

Students Matriculated in AY2017/2018

Recommended Semester Schedule for RfP Pathway

Modules		MCs	Modules		MCs
Semester 1			Semester 2		
MA1505	Mathematics I	4	MA1508E	Linear Algebra	4
CS1010E	Programming Methodology	4	ST2334	Probability & Statistics	4
IE1111	Industrial & Systems Engineering Principles & Practice I	6	IE1112	Industrial & Systems Engineering Principles & Practice II	6
PC1431 / PC1432	Basket of Science Modules	4	IE2140	Engineering Economy	4
	GE/UEM	4		GE/UEM	4
Sub-total		22	Sub-total		22

Semester 3			Semester 4		
IE2110	Operations Research I	4	IE2100	Probability Models with Applications	4
ES1531	Critical Thinking & Writing	4	IE2130	Quality Engineering I	4
	GE/UEM	4	IE2150	Human Factors	4
	GE/UEM	4	EG2401A	Engineering Professionalism	2
	GE/UEM	4		GE/UEM	4
Sub-total		20	Sub-total		18

Semester 5			Semester 6		
IE3100M	Systems Design Project	6	IE3100M	Systems Design Project	6
IE3110R	Simulation	4	IE4xxx	ISE Electives	4
IE3101	Statistics for Engineering Applications	4		GE/UEM-UROP	4
IE4xxx	ISE Electives	4		GE/UEM	4
				GE/UEM	4
Sub-total		18	Sub-total		22

Special Term		
EG3612	Vacation Internship Program	6
Sub-total		6

Semester 7			Semester 8		
IE4100R	BEng Dissertation	4	IE4100R	BEng Dissertation	4
IE5xxx	Basket of Modules for RfP	4	IE5xxx	Basket of Modules for RfP	4
	GE/UEM	4		GE/UEM	4
	GE/UEM	4		GE/UEM	4
Sub-total		16	Sub-total		16

Notes:

- Students are required to read one General Education Modules (GE) from each of 5 pillars: Human and Cultures (H&C), Quantitative Reasoning (QR), Thinking and Expression (T&E), Singapore Studies (SS) and Asking Questions (AQ).
- Internship is optional for poly intake students and students in the following special programmes: DDPs, CDPs, GEP & CSP. The modular credits for the internship will become 'Free Electives' i.e., Unrestricted Electives (UE).