

Recommended Semester Schedule for Students Matriculated in AY2016/2017

RfP

The recommended semester schedule for Semester 1 to Semester 8 for BEng (ISE) are shown below:

Semester 1

Module Title	MC
MA1505 Mathematics I	4
Basket of Engineering Science Modules	3/4
CS1010E Programming Methodology	4
ST1131 Introduction to Statistics+	4
ES1531 Critical Thinking and Writing/GER1000 Quantity Reasoning(QR)	4
TOTAL	19/20

+ Refer to Faculty of Science curriculum

Semester 2

Module Title	MC
MA1506 Mathematics II	4
IE2140 Engineering Economy	4
ST2131 Probability+	4
ES1531 Critical Thinking and Writing/GER1000 Quantity Reasoning(QR)	4
GE/UEM	4
TOTAL	20

* Refer to Faculty of Science curriculum

Semester 3

Module Title	MC
IE2101 Introduction to Systems Thinking	4
IE2110 Operations Research I	4
CS1020E Data Structures and Algorithms#	4
ES2331 Communicating Engineering	4
GE/UEM	4
TOTAL	20

Refer to School of Computing curriculum

Semester 4

Module Title	MC
IE2100 Probability Models with Applications	4
IE2130 Quality Engineering I	4
IE2150 Human Factors Engineering	4
GE/UEM	4
GE/UEM	4
TOTAL	20

Semester 5

Module Title	MC
IE3100M Systems Design Project	6
IE3101 Statistics for Engineering Applications	4
IE3110 Simulation	5
IE4xxx ISE Electives	4
GE/UEM	4
TOTAL	23

Semester 6

Module Title		MC
IE3100M	Systems Design Project(Cont'd)	6
IE4xxx	ISE Electives	4
	GE/UEM-UROP	4
	GE/UEM	4
	GE/UEM	4
TOTAL		22

Special Semester

Module Title		MC
EG3612	Vacation Internship Program	6
TOTAL		6

Semester 7

Module Title		MC
IE4100R	BEng Dissertation	6
IE5xxx	Basket of Modules for RfP Requirements (Pathway Requirements)	4
EG2401	Engineering Professionalism	3
	GE/UEM	4
TOTAL		17

Semester 8

Module Title		MC
IE4100R	BEng Dissertation(Cont'd)	2
IE5xxx	Basket of Modules for RfP Requirements (Pathway Requirements)	4
IE4xxx	ISE Electives	4
IE4xxx	ISE Electives	4
TOTAL		14

For poly-intake students and students in the following special programmes: DDPs, CDPs, GEP & CSP, internship / industrial-attachment is optional and the modular credits for the internship/industrial-attachment will become 'Free Electives' i.e., Unrestricted Electives (UE).