Model Study Path for BEng Industrial Engineering and Engineering Management 2014/2015 Entry (Advanced Standing I) (non-CES mode)

Yr	Sem	Major Requirements						University Requirements		CUs
1	A	MBE2016 Engineering Graphics (3)	MBE2034 Engineering Materials & Processing (3)	MA2172 Applied Statistics for Science and Engineering (3)	MA1200 Calculus and Basic Linear Algebra I / MA1300 Enhanced Calculus and Linear Algebra I (3)	CS1102# Introduction to Computer Studies (3)				**12/15**
	B	SEEM3062 Quality Engineering I (3)	MBE2029 Electrical and Electronic Principles I (3)	MBE2040 Basic Mechanical Engineering Principles (3)	MA2181 Mathematical Methods for Engineering (3)	CS1302# Introduction to Computer Programming (3)	MBE2020 Engineering Workshop Practice (0)	English (3)		**15/18**
	S						MBE2020 Engineering Workshop Practice (0)	English (3)		**3**
2	A	SEEM3020 Engineering Economic Analysis (3)	SEEM3025 Integrative Engineering Management I (3)	SEEM3027 Logistics and Materials Management (3)	SEEM3034 Work Design (3)	SEEM3060 Operations Research (3)		CCIV (3)		**18**
	B	SEEM3024 Ergonomics in Workplace Design (3)	SEEM/JC4031 Management of Technological Innovation (3)	SEEM4046 Green Industrial Systems (3)	SEEM/JC4066 Professional Engineering Practice (3)	Major Elective 1 (3)				**15**
	S									
3	A	SEEM4034 Product Development: Managerial Approach (3)	SEEM4068* Project (Individual) (3)	Major Elective 2 (3)	Major Elective 3 (3)				GE 1 (3)	**15**
	B	SEEM4043 Global Operations Management (3)	SEEM4068* Project (Individual) (3)	Major Elective 4 (3)					GE 2 (3)	**12**
( ) indicates number of credits								**Total credits required =**		**93**

\# Either CS1102 or CS1302 is fulfilled the College-specified requirement. Students may be required to take CS placement test to register for CS1302.

* SEEM4068 Project (individual) / SEEM4116 Capstone Project II / FS4004 Overseas Research Internship Scheme.

Note 1:   MBE2020 should be taken in Year 1 during Semester B or Summer Term depending on the allocation and availability of workshop training places.

Note 2:   Students can alter the study path and courses can be taken in any order or in any year of study provided pre-requisite and pre-cursor requirements are satisfied.

Note 3:   Students can take Major electives from Year 2 depending on their overall study plan, and some elective courses may be available for study in the evenings only.

Model Study Path for BEng Industrial Engineering and Engineering Management 2014/2015 Entry (Advanced Standing I) (Optional CES mode)

Yr	Sem	Major Requirements						University Requirements		CUs
1	**A**	MBE2016 Engineering Graphics (3)	MBE2034 Engineering Materials & Processing (3)	MA2172 Applied Statistics for Science and Engineering (3)	MA1200 Calculus and Basic Linear Algebra I / MA1300 Enhanced Calculus and Linear Algebra I (3)	CS1102[#] Introduction to Computer Studies (3)		English (3)		**15/18**
	B	SEEM3062 Quality Engineering I (3)	MBE2029 Electrical and Electronic Principles I (3)	MBE2040 Basic Mechanical Engineering Principles (3)	MA2181 Mathematical Methods for Engineering (3)	CS1302[#] Introduction to Computer Programming (3)	MBE2020 Engineering Workshop Practice (0)	English (3)		**15/18**
	S						MBE2020 Engineering Workshop Practice (0)	CCIV (3)		**3**
2	**A**	SEEM3020 Engineering Economic Analysis (3)	SEEM3025 Integrative Engineering Management I (3)	SEEM3027 Logistics and Materials Management (3)	SEEM3034 Work Design (3)	SEEM3060 Operations Research (3)			GE 1 (3)	**18**
	B	SEEM3024 Ergonomics in Workplace Design (3)	SEEM/JC4031 Management of Technological Innovation (3)	SEEM4046 Green Industrial Systems (3)	SEEM/JC4066 Professional Engineering Practice (3)	Major Elective 1 (3)			GE 2 (3)	**18**
	S	Major Elective 2 (3)	Major Elective 3 (3)							**6**
3	**A**	SEEM4034 Product Development: Managerial Approach (3)	SEEM4068* Project (Individual) (3)	Major Elective 4 (3)	CES FS4001 (4)					**13**
	B	SEEM4043 Global Operations Management (3)	SEEM4068* Project (Individual) (3)		CES FS4001 (4)					**10**
( ) indicates number of credits									**Total credits required =**	**101**

\# Either CS1102 or CS1302 is fulfilled the College-specified requirement. Students may be required to take CS placement test to register for CS1302.

* SEEM4068 Project (individual) / SEEM4116 Capstone Project II / FS4004 Overseas Research Internship Scheme.

Note 1: MBE2020 should be taken in Year 1 during Semester B or Summer Term depending on the allocation and availability of workshop training places.

Note 2: Students can alter the study path and courses can be taken in any order or in any year of study provided pre-requisite and pre-cursor requirements are satisfied.

Note 3: Students can take Major electives from Year 2 depending on their overall study plan, and some elective courses may be available for study in the evenings only.