

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

Yr	Sem	Major Requirements						University Requirements		Max.CUs per Semester
1	A	MBE2016 Engineering Graphics (3)	MBE2034 Engineering Materials & Processing (3)	MA2172 Applied Statistics for Science and Engineering (3)				English (3)		18
		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)				
	B	MBE2029 Electrical and Electronic Principles I (3)	MBE2040 Basic Mechanical Engineering Principles (3)	MA2181 Mathematical Methods for Engineering (3)	SEEM3062 Quality Engineering I (3)		MBE2020 Engineering Workshop Practice (0)	GE (3)		18
		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)				
	S								CSpC 1# (3) CSpC 2# (3)	
	2	A	SEEM4068* [@] Project (Individual) (3)	SEEM4034 Product Development: Managerial Approach (3)	Major Elective 2 (3)	Major Elective 3 (3)				
B		SEEM4068* [@] Project (Individual) (3)	SEEM4043 Global Operations Management (3)	Major Elective 4 (3)						18
() indicates number of credits								Total credits required for ASII :		66[@]

CSpC (College-specified Courses) can be any courses not within the Major Requirement (including core courses and electives) mentioned in Student Handbook.

[@] Advanced Standing II (ASII) students MUST include core courses marked @.

* 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. **For those with appropriate workshop experience, application for exemption should be made before the start of Semester A during registration period.**

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 Semester B Year I 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 II) (Optional CES mode)

Yr	Sem	Major Requirements					University Requirements		Max.CUs per Semester
1	A	MBE2016 Engineering Graphics (3)	MBE2034 Engineering Materials & Processing (3)	MA2172 Applied Statistics for Science and Engineering (3)					18
		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)	English (3)		
	B	MBE2029 Electrical and Electronic Principles I (3)	MBE2040 Basic Mechanical Engineering Principles (3)	MA2181 Mathematical Methods for Engineering (3)	SEEM3062 Quality Engineering I (3)		MBE2020 Engineering Workshop Practice (0)		18
		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 1 (3)	
	S							CSpC 1# (3) CSpC 2# (3)	7
2	A	SEEM4068* [@] Project (Individual) (3)	SEEM4034 Product Development: Managerial Approach (3)	Major Elective 2 (3)		CES FS4001 (4)			18
	B	SEEM4068* [@] Project (Individual) (3)	SEEM4043 Global Operations Management (3)	Major Elective 3 (3)		CES FS4001 (4)			18
	S	Major Elective 4 (3)							7
() indicates number of credits							Total credits required for ASII :		74 [@]

CSpC (College-specified Courses) can be any courses not within the Major Requirement (including core courses and electives) mentioned in Student Handbook.

[@] Advanced Standing II (ASII) students MUST include core courses marked @.

* 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. *For those with appropriate workshop experience, application for exemption should be made before the start of Semester A during registration period.*

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 Semester B Year1 depending on their overall study plan, and some elective courses may be available for study in the evenings only.