

Suggested schedule for DDP B. Eng (ISE) with BA for Cohort 2019/2020 onwards

Year 1				Year 1			
Semester 1				Semester 2			
Module		MCs		Module		MCs	
IE1111R	Industrial & Systems Engineering Principles & Practice I	4	C1	IE2111	Industrial & Systems Engineering Principles & Practice II	4	C1
CS1010E	Programming Methodology	4	C1	MA1508E	Linear Algebra	4	C1
PC1431/PC1432	Basket of Science Modules	4	C1	MLE1010	Materials Engineering Principles & Practice	4	C1
MA1505	Mathematics I	4	C1	ST2334	Probability & Statistics	4	C1
EC1101E	Introduction to Economic Analysis	4	C2	Level 1000	Exposure modules(Humanities) – EL1101E,EN1101E, TS1101E, HY1101E or GET1029	4	C2
Total		20		Total		20	

Year 2				Year 2			
Semester 3				Semester 4			
Module		MCs		Module		MCs	
IE2110	Operations Research I (Refer to table 2)	4	C1/CA	IE2100	Probability Models with Applications	4	C1
EE2211	Introduction to Machine Learning	4	C1	IE2141	Systems Thinking and Dynamics	4	C1
EC2101	Microeconomic Analysis I	4	C2	IE4xxx	Elective modules	4	C1
FASS Level 1000 Exposure module (Asian Studies) x 1	(CH1101E/CL1101E/J S1101E/MS1102E/SE1 101E/SN1101E)	4	C2	EC2102	Macroeconomics Analysis I	4	C2
FAS1102	Writing Module	4	C2	EC2104	Quantitative Methods for Economics Analysis	4	C2
EG1311	Design and Make	4	C1				
Total		24		Total		20	

Year 3				Year 3			
Semester 5				Semester 6			
Module		MCs		Module		MCs	
IE3100R	Systems Design Project	4	C1	IE3100R	Systems Design Project	4	C1
EC - Elective	Level 3000 modules	4	C2	IE4211	Modeling & Analytics	4	C1
IE3110R	Simulation	4	C1	EC3101	Microeconomics Analysis II	4	C2
EC -Elective Modules	Refer to Table 1	4	CA	EC3102	Macroeconomics Analysis II	4	C2
EC3303	Econometrics I	4	C2	IE3101	Statistics for Engineering Applications	4	C1
Total		20		Total		20	

Year 4				Year 4			
Semester 7				Semester 8			
Module		MCs		Module		MCs	
IE4100R	B. Eng. Dissertation	4	C1	IE4100R	B. Eng. Dissertation	4	C1
EC - Elective	Leve 4000 modules	5	C2	IE4xxx	Elective Module	4	C1
IE4240	Project Management (Refer to table 2)	4	CA	GEM2	General Education Modules	4	CA
GEM1	General Education Modules	4	CA	EG2401A	Engineering Professionalism	2	C1
ES1531	Critical Thinking & Writing	4	CA	GEM3	General Education Modules	4	CA
Total		21		Total		18	

Year 5			
Semester 9			
Module		MCs	
GEM4	General Education Modules	4	CA
GEM5	General Education Modules	4	CA
EC - Elective	Level 3000 modules	4	C2
EC - Elective	Level 3000 modules	4	C2
IE4xxx	Elective modules	4	C1
Total		20	

Total (must be at least 183MCs)

The modules that DDP students take are counted towards the CAP in the following manner:

1 st Degree	Classified as C1 in the database
2 nd Degree	Classified as C2 in the database
Both 1 st and 2 nd Degrees	Classified as CA in the database

Additional modules taken will be counted towards C1, except for modules offered by the faculty of the student's 2nd degree, which be classified as C2.

Table 1: Common modules in B. Eng. & BA Double Degree Programme

Choose one from B. Eng Modules (Subject to pre-requisites)	Choose one from BBA Modules (Subject to pre-requisites)
IE2110 Operations Research IE3120 Manufacturing Logistics IE4240 Project Management IE4220 Supply Chain Modeling IE4242 Cost Analysis & Management IE4243 Decision Modelling and Risk Analysis IE4244 Energy: Security, Competitiveness and Sustainability	EC3312 Game Theory & Applications to Economics EC3322 Industrial Organization I EC3332 Money and Banking I EC3333 Financial Economics I EC3382 Transport Economics I EC3385 Maritime and Shipping Economics I EC3386 Port Economics EC4303 Econometrics III EC4322 Industrial Organization II EC4372 Technology & Innovation EC5104 Mathematical Economics EC5314 Time Series Analysis EC5324R Cost Benefit Analysis
Please refer to the DDP programme structure at http://www.nus.edu.sg/prog/engecon/programme2017_beng_ba.htm	

Note:

Common module in B. Eng. & BA Double Degree programmes. You have to select at least 1 module from B. Eng. modules and 1 module from BA modules as shown in Table 1, if student declared IE2110 CA, IE Technical Elective(s) need to replace these modules.

Common module that also satisfies for Common Elective Modules for degree requirements.