

Suggested schedule for DDP B. Eng (ISE) with BA for Cohort 2017/2018 onwards

| Year 1 | | | | Year 1 | | | |
|---------------|--|-----|----|------------|---|-----|----|
| Semester 1 | | | | Semester 2 | | | |
| Module | | MCs | | Module | | MCs | |
| IE1111 | Industrial & Systems Engineering Principles & Practice I | 6 | C1 | IE1112 | Industrial & Systems Engineering Principles & Practice I | 6 | C1 |
| CS1010E | Programming Methodology | 4 | C1 | MA1508E | Linear Algebra | 4 | C1 |
| PC1431/PC1432 | Basket of Science Modules | 4 | C1 | IE2140 | Engineering Economy | 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 | | 22 | | Total | | 22 | |

| 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 |
| IE4xxx | Elective modules | 4 | C1 | IE2130 | Quality Engineering I | 4 | C1 |
| EC2101 | Microeconomic Analysis I | 4 | C2 | IE2150/IE4xxx | Human Factors Engineering/IE Elective Modules | 4 | C1 |
| FASS Level 1000 Exposure module (Asian Studies) x 1 | (CH1101E/CL1101E/J S1101E/MS1102E/SE1101E/SN1101E) | 4 | C2 | EC2102 | Macroeconomics Analysis I | 4 | C2 |
| FAS1102 | Writing Module | 4 | C2 | EC2104 | Quantitative Methods for Economics Analysis | 4 | C2 |
| | | | | | | | |
| Total | | 20 | | Total | | 20 | |

| Year 3 | | | | Year 3 | | | |
|----------------------|---|-----|----|---------------|----------------------------|-----|----|
| Semester 5 | | | | Semester 6 | | | |
| Module | | MCs | | Module | | MCs | |
| IE3100M | Systems Design Project | 6 | C1 | IE3100M | Systems Design Project | 6 | C1 |
| IE3101 | Statistics for Engineering Applications | 4 | C1 | 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 | EC - Elective | Leve 3000 modules | 4 | C2 |
| Total | | 22 | | Total | | 22 | |

| 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 | Leve 3000 modules | 4 | C2 |
| EC - Elective | Leve 3000 modules | 4 | C2 |
| | | | |
| Total | | 16 | |

Total (must be at least 180MCs)

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 IE2140 Engineering Economy 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.