Suggested Study Path for BENGEGU4 NRE 2019 Cohort

Yr	Sem	College Requirements	Gateway Education (GE): College/School-specified Courses				GE: English[@]	Gateway Education & Others		CUs
1	A	Science 1 (3)	MA1200 Calculus and Basic Linear Algebra I / MA1300 Enhanced Calculus and Linear Algebra I (3)				GE1401 University English (3)		GE 1 (3)	12
	B	Science 2 (3)	MA1201 Calculus and Basic Linear Algebra II / MA1301 Enhanced Calculus and Linear Algebra II (3)	CS1302 Introduction to Computer Programming (3)			GE2410 English for Engineering (3)	GE1501 Chinese Civilisation – History and Philosophy (3)	GE 2 (3)	18
	S	Reserved for missed courses /						Reserved for missed courses		
	Major Requirements									
2	A	MNE2109 Engineering Mechanics (3)	MNE2112 Thermodynamics (3)	MA2177 Engineering Mathematics and Statistics (3)		PHY1201 General Physics I (3) (if not taken[#])	MNE2020 Engineering Workshop Practice (0)	Free Elective (3)[#]	GE 3 (3)	15
	B	MNE2110 Engineering Materials (3)	MNE2016 Engineering Graphics (3)	MNE2029 Electrical & Electronic Principles I (3)	MNE2036 Engineering Computing (3)	PHY3210 Modern Physics for Nuclear Technology (3)				15
	S							Reserved for missed courses		
3	A	MNE3118 Mechanics of Materials (3)	MNE3107 Principles of Nuclear Engineering (3)	MNE3111 Introduction to Nuclear Power Plant (3)	PHY3275 Radiation Protection and Dosimetry (3)	SEEM3101 Basic Methodologies and Tools for Risk Engineering (3)				15
	B	MNE3122 Fluid Mechanics (3)	MNE3049 Control Principles (3)	MNE4112 Nuclear Materials (3)	PHY3230 Nuclear Radiation and Measurements (3)		Major Elective 1 (3)			15
	S	Reserved for IAS or taking some Elective courses available /						Reserved for missed courses		
4	A	MNE4118 Project (3)	MNE4066 Professional Engineering Practice (3)		MNE4010 Dynamics and Control (3)		Major Elective 2 (3)		GE 4 (3)	15
	B	MNE4118 Project (3)	MNE3119 Manufacturing Technology (3)	JC4231 Nuclear Reactor Physics (3)	MNE4105 Nuclear Reactor Safety (3)	MNE3121 Heat Transfer (3)				15
	S							Reserved for missed courses		
( ) indicates number of credits								**Total credits (minimum):**		**120**

[@] Students whose entry qualifications in HKDSE English Language is below Level 4 are required to take EL0200A and EL0200B, and should take the GE English courses in the following semesters/terms. Furthermore, Students who demonstrate an overall grade B or above in the EL0200A course will be granted an exemption from taking EL0200B, and will be considered to have fulfilled the pre-requisite requirement for the GE1401 (University English) course. These students will be permitted to proceed to directly to the GE University English course.

[#] Students are required to complete PHY1201 in Year 2 Semester A as a prerequisite for some B2 level courses if it is not taken as Science 1 and Science 2, otherwise need to take a Free Elective to fulfill the minimum credit units required for graduation.

** MNE2020 should be taken in Year 2 during Semester A, Semester B, or Summer Term depending on the allocation and availability of workshop training places.*

Students are advised to consult their Academic Advisor in planning their own study paths. Please note that study path planning is both the privilege and responsibility of each student, so do it with care and diligence. Please refer to Student Handbook for further details.

13 May 2020