

Suggested Study Path for BENGEGU4 NRE 2017 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)		CS1102 Introduction to Computer Studies / CS1302 Introduction to Computer Programming (3)		GE1401 University English (3)	GE 1 (3)	15	
	B	Science 2 (3)	MA1201 Calculus and Basic Linear Algebra I / MA1301 Enhanced Calculus and Linear Algebra II (3)				GE2410 English for Engineering (3)	GE1501 Chinese Civilisation – History and Philosophy (3)	GE 2 (3)	15
	S	Reserved for missed courses /						Reserved for missed courses		
Major Requirements										
2	A	MNE2109 Engineering Mechanics (3)	MNE2101 Thermo and Fluid Dynamics (3)	MNE2029 Electrical & Electronic Principles I (3) MA2177 Engineering Mathematics and Statistics (3)	MNE2036 Engineering Computing (3)	PHY1201 General Physics I (3) (if not taken [#])	MNE2020 Engineering Workshop Practice (0)	Free Elective (3) [#]	15	
	B	MNE2110 Engineering Materials (3)	MNE2016 Engineering Graphics (3)	MA2177 Engineering Mathematics and Statistics (3) MNE2029 Electrical & Electronic Principles I (3)	PHY3210 Modern Physics for Nuclear Technology (3)			GE 3 (3)	15	
	S	Reserved for missed courses /						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	MNE3106 Advanced Thermofluids (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)	MNE4105 Nuclear Reactor Safety (3)	JC4231 Nuclear Reactor Physics (3)	Major Elective 3 (3)		15	
	S	Reserved for missed courses /						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 ELO200A and/or ELO200B, and should take the GE English courses in the following semesters/terms.

[#] 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.