

Suggested Study Path for BENGEGU4 NRE 2022/23 Cohort

Yr	Sem	College Requirements (6 CU)	Gateway Education (GE): College-specified Courses (9 CU) & Chinese (3 CU)		GE: English [@] (6 CU)	Department-specified Courses (6CU)	Gateway Education & Others	CU's
1 (22/ 23)	A	PHY1101 Introductory Classical Mechanics (3)	MA1200 Calculus and Basic Linear Algebra I / MA1300 Enhanced Calculus and Linear Algebra I (3)	MNE2066 Engineers in Society (3)	GE1401 University English (3)	MNE2016 Engineering Graphics (3)*		15
	B	CS1302 Introduction to Computer Programming (3)	MA1201 Calculus and Basic Linear Algebra II / MA1301 Enhanced Calculus and Linear Algebra II (3)	GE1501 Chinese Civilisation – History and Philosophy (3)	GE2410 English for Engineering (3)	PHY1202 General Physics II (3)	GE 1 (3)	18
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2 (23/ 24)	A	MNE2109 Engineering Mechanics (3)	MNE2112 Thermodynamics (3)	MA2177 Engineering Mathematics and Statistics (3)		GE 2 (3)		Free Elective (3)	15
	B	MNE2110 Engineering Materials (3)	MNE3122 Fluid Mechanics (3)	MNE2029 Electrical & Electronic Principles I (3)	MNE2036 Engineering Computing (3)	PHY3210 Modern Physics for Nuclear Technology (3)			15
	S						MNE2020 Engineering Workshop Practice (0)		
3 (24/ 25)	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)	MNE4109 Reliability Engineering and Risk Analysis (3)			15
	B		MNE3049 Control Principles (3)	MNE3121 Heat Transfer (3)	PHY3230 Nuclear Radiation and Measurements (3)	MNE3119 Manufacturing Technology (3)		GE 3 (3)	15
	S	Reserved for IAS (3)							
4 (25/ 26)	A	MNE4118 Project (3)		Major Elective 1 (3)	Major Elective 2 (3)	Major Elective 3 (3)		GE 4 (3)	15
	B	MNE4118 Project (3)	MNE4112 Nuclear Materials (3)	JC4231 Nuclear Reactor Physics (3)	MNE4105 Nuclear Reactor Safety (3)				12
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() indicates number of credits								Total credits (minimum):	120

[@] Students whose entry qualifications in HKDSE English Language is below Level 4 are required to take LC0200A and LC0200B, and should take the GE English courses in the following semesters/terms. Furthermore, Students who demonstrate an overall grade B or above in the LC0200A course will be granted an exemption from taking LC0200B, 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 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 and revision/ update announcements by the Department for further details.

* For students who have not completed MNE2016 Engineering Graphics (3 CUs) in 2022/23, they are required to take MNE2116 Engineering Graphics (0 CU) plus **ONE Elective Course** to fulfill the major requirement.