

Suggested Study Path for BENGEGU4 M.E. 2019 Cohort

Yr	Sem	College Requirements	Gateway Education (GE): College/School-specified Courses				GE: English®	Gateway Education & Others	CU's	
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, if available /					Reserved for missed courses			
Major Requirements										
2	A	MNE2109 Engineering Mechanics (3)		MNE2112 Thermodynamics (3)	MA2177 Engineering Mathematics and Statistics (3)		MNE2020 Engineering Workshop Practice (0)	GE 3 (3)	GE 4 (3)	15
	B	MNE2110 Engineering Materials (3)	MNE3119 Manufacturing Technology (3)	MNE2016 Engineering Graphics (3)	MNE2036 Engineering Computing (3)	MNE2029 Electrical and Electronic Principles I (3)		15		
	S	Reserved for missed courses, if available /						Reserved for missed courses		
3	A	MNE3118 Mechanics of Materials (3)	MNE3007 CAD/CAM (3)	MNE3120 Measurement and Instrumentation (3)	MNE4010 Dynamics and Control (3)	MNE3115 Microelectromechanical Systems (3)			15	
	B	MNE3010 Mechanical Design (3)	Major Elective 1 (3)	MNE3122 Fluid Mechanics (3)		MNE3049 Control Principles (3)	Major Elective 2 (3)		15	
	S	Reserved for IAS or taking some Elective courses, if available /					Reserved for missed courses			
4	A	MNE4068 Project (Individual) (3)/ MNE4119 Project (Group) (3)	MNE4066 Professional Engineering Practice (3)			MNE3046 Automation Technology (3)	Major Elective 3 (3)	Free Elective (3) [#]	15	
	B	MNE4068 Project (Individual) (6)/ MNE4119 Project (Group) (6)		MNE3121 Heat Transfer (3)	MNE3058 Embedded Control Systems (3)	MNE4032 Robotics and Machine Vision (3)			15	
	S	Reserved for missed Elective courses, if available /					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 should complete PHY1201 if it is not taken as Science 1 and Science 2. Those who are not required to take PHY1201 should take 3 credit units of Free Elective.

* 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.