

Suggested Study Path for BENGEGU3 M.E. 2020 Cohort - Advanced Standing I

Yr	Sem	Major Requirements ⁺						Gateway Education & Others		CUs
1	A	MNE2016 ⁺ Engineering Graphics (3)	MNE2109 ⁺ Engineering Mechanics (3)	MNE2112 ⁺ Thermodynamics (3)		CSpC 1: MA1200 Calculus and Basic Linear Algebra I (3)	MNE2020 ⁺ Engineering Workshop Practice (0)	English (3)	GE 1 (3) ⁺	15/18⁺
	B	MNE2110 ⁺ Engineering Materials (3)	MNE3119 Manufacturing Technology (3)	MNE2029 ⁺ Electrical and Electronic Principles I (3)	MNE2036 ⁺ Engineering Computing (3)	CSpC 2: MA1201 Calculus and Basic Linear Algebra II (3)		English (3)		18/15⁺
	S								Reserved for missed courses	
2	A	MNE3118 Mechanics of Materials (3)	MNE3007 CAD/CAM (3)	MNE3120 Measurement and Instrumentation (3)	MNE3115 Microelectromechanical Systems (3)	MA2177 ⁺ Engineering Mathematics and Statistics (3)			GE 2 (3)	18
	B	MNE3010 Mechanical Design (3)		MNE3122 Fluid Mechanics (3)	MNE3058 Embedded Control Systems (3)			GE1501 Chinese Civilisation (3)		12
	S	Reserved for IAS or taking some Elective courses available, if available /						Reserved for missed courses		
3	A	MNE4068 Project (Individual) (3)/ MNE4119 Project (Group) (3)	MNE4010 Dynamics and Control (3)	MNE3046 Automation Technology (3)	MNE4066 Professional Engineering Practice (3)		Major Elective 1 (3)			15
	B	MNE4068 Project (Individual) (6)/ MNE4119 Project (Group) (6)	MNE3121 Heat Transfer (3)	MNE4032 Robotics and Machine Vision (3)	MNE3049 Control Principles (3)		Major Elective 2 (3)			18
	S	Reserved for missed Elective courses, if available /						Reserved for missed courses		
() indicates number of credits								Total credits (minimum): 96 or 99⁺		

⁺ Up to 3 credit units of core courses are to be waived for students admitted with Advanced Standing I from the B2 level courses upon admission based on the academic background of students. Prerequisites which are not part of the Major Requirement are waived for students admitted with Advanced Standing.

* MNE2020 should be taken in Year 1 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.