

## Suggested Study Path for BENGEGU3 M.E. 2022 Cohort - Advanced Standing I

Yr	Sem	Major Requirements						Gateway Education & Others		CUs
<b>1</b>	<b>A</b>	MNE2016 Engineering Graphics (3)	MNE2109 Engineering Mechanics (3)	MNE2112 Thermodynamics (3)	MA1200 Calculus and Basic Linear Algebra I (3)/ MA1201 Calculus and Basic Linear Algebra II (3)	MNE2066 Engineers in Society (3)		English (3)		<b>18</b>
	<b>B</b>	MNE2110 Engineering Materials (3)	MNE3122 Fluid Mechanics (3)	MNE2029 Electrical and Electronic Principles I (3)	MNE2036 Engineering Computing (3)	PHY1202 General Physics II (3)		English (3)		<b>18</b>
	<b>S</b>						MNE2020 Engineering Workshop Practice (0)	Reserved for missed courses		
<b>2</b>	<b>A</b>	MNE3118 Mechanics of Materials (3)	MNE3007 CAD/CAM (3)	MNE3120 Measurement and Instrumentation (3)	MNE3115 Microelectromechanical Systems (3)		Major Elective 1 (3)			<b>15</b>
	<b>B</b>	MNE3010 Mechanical Design (3)	MNE3121 Heat Transfer (3)		MNE3058 Embedded Control Systems (3)		Major Elective 2 (3)	GE1501 Chinese Civilisation (3)		<b>15</b>
	<b>S</b>	Reserved for IAS or taking some Elective courses available, if available/						Reserved for missed courses		
<b>3</b>	<b>A</b>	MNE4068 Project (Individual) (3)/ MNE4119 Project (Group) (3)		MNE3046 Automation Technology (3)			Major Elective 3 (3)	GE 1 (3)	GE 2 (3)	<b>15</b>
	<b>B</b>	MNE4068 Project (Individual) (6)/ MNE4119 Project (Group) (6)		MNE4032 Robotics and Machine Vision (3)	MNE3049 Control Principles (3)	MNE3119 Manufacturing Technology (3)				<b>15</b>
	<b>S</b>	Reserved for missed Elective courses, if available/						Reserved for missed courses		
( ) indicates number of credits								<b>Total credits (minimum):</b>		<b>96</b>

\*MA2177 Engineering Mathematics and Statistics (3 credit units of core course) is waived for students admitted with Advanced Standing I.

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.