

GRADUATION REQUIREMENTS FOR COHORT 2020/2021	MC
UNIVERSITY LEVEL REQUIREMENTS	20
General Education Modules (GE) (5 Modules, each of 4MCs) <ul style="list-style-type: none"> • Human and Cultures (H&C) • GER1000 Quantitative Reasoning (QR), • Thinking and Expression (T&E) • Singapore Studies (SS) • Asking Questions (AQ) 	
UNRESTRICTED ELECTIVE MODULES	32
PROGRAMME REQUIREMENTS:	
Faculty Requirements	6
ES2531 Critical Thinking & Writing	4
EG2401A Engineering Professionalism	2
English*	
Common Core Requirements	34
CS1010E Programming Methodology	4
MA1511 Engineering Calculus	2
MA1512 Differential Equations for Engineering	2
MA1513 Linear Algebra with Differential Equations	2
EG1311 Design and Make	4
MLE1010 Materials Engineering Principles and Practice (EPP Style)	4
EE2211 Introduction to Machine Learning	4
IE2141 Systems Thinking and Dynamics	4
BN1111 Engineering Principles and Practice I	4
BN2111 Engineering Principles and Practice II	4
BME Major Requirements	28
CM1501 Organic Chemistry for Engineers	4
PC1432 Physics IIE	4
BN2301 Biochemistry and Biomaterials for Bioengineers	4
BN2102 Bioengineering Data Analysis	4
BN2201 Quantitative Physiology for Bioengineers	4

BN2204 Fundamentals of Biomechanics	4
BN2403 Fundamentals of Biosignals Processing and Bioinstrumentation	4
BME Design, Project and Internship Modules	24
BN3101 Biomedical Engineering Design	6
BN4101 B.Eng. Dissertation	8
EG3611A Industrial Attachment	10
Technical Electives	8
Pathway Electives	8
TOTAL	160

Note: Please make sure that you do not exceed the maximum 60MCs of level 1000 modules.