

Biomedical Engineering

AY2022 cohort

Accurate as of June 2022

E-Scholars 3-years schedule (BME)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I (4 MC but it is mapped to MA1511 which is 2 MC)			4
CS1010E Programming Methodology			4
Sub-total			12
Semester 1		Semester 2	
GEA1000 Quantitative Reasoning	4	BN2102 Bioengineering Data Analysis	4
DTK1234 Design Thinking	4	BN2204 Fundamentals of Biomechanics	4
MA1513 Linear Algebra with Differential Equations	2	BN2111 Engineering Principles and Practice II	4
BN1111 Engineering Principles and Practice I	4	CE2407B Introduction to Numerical Methods for Engineers	2
PF1101 Fundamentals of Project Management	4	UTCP #2	4
CE2407A Engineering Uncertainty Analysis	2	EG2101 Pathways to engineering Leadership	2
UTCP #1	4	UE (or IE2141 if not staying at RC4)	4
		UE	4
Sub-total	24	Sub-total	28
Semester 3		Semester 4	
BN2201 Quantitative Physiology for Bioengineers	4	NUS Overseas College (NOC) experience (20 MC)*	20
BN2301 Biochemistry and Biomaterials for Bioengineers	4		
BN2403 Fundamentals of Biosignals and Bioinstrumentation	4		
BN3101A Biomedical Engineering Design	4		
EE2211 Introduction to Machine Learning	4		
UTCP #3	4		
EG2501 Liveable Cities	4		
Sub-total	28	Sub-total	20
Semester 5		Semester 6	
BN4101 B.Eng Dissertation	4	BN4101 B.Eng Dissertation	4
Technical Elective	4	Technical Elective	4
UTCP #4	4	UE	4
CDE2000 Creating Narratives	4	UE	4
UE	4	UE	4
UE	4	UE	4
Sub-total	24	Sub-total	24
			Grand total 160

Notes:

- If APT modules are not cleared, those modules must be cleared during the normal semesters
- Important rules for NOC:
 - You MUST be on campus the semester BEFORE going to NOC.
 - You MUST have cleared at least 70 MC before applying to NOC
- *If not embarking on NOC, alternate module combinations to fulfil Industrial Attachment requirement (10MCs) include:
 - EG3611A Industrial Attachment (10 MCs)
 - EG3612 Vacation Industrial Attachment (6MCs) + EG2605 Undergraduate Research Opportunity (4MCs)
 - EG3612 Vacation Industrial Attachment (6MCs) + CFG2101 NUS Vacation Internship Programme (4MCs)

Note that option (a) can be done in any regular semester as long as you are at seniority 3.

Note that UROP (EG2605) may be taken in any regular semester or special term as long as you are at seniority 2.
- If you wish to read Common Curriculum modules before your recommended semester, please submit an appeal or select the module:
 - Modules that may be selected from Round 2: PF1101, ES2631 (if not doing UTCP)
 - Modules that require appeal: DTK1234, GEA1000, EG1311, EG2501, CDE2000, EE2211, IE2141 (if not staying in RC4)