Mechanical Engineering

AY2022 cohort

Accurate as of June 2022

E-Scholars 3-years schedule (ME)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I			4
CS1010E Programming Methodology			4
Sub-total			12
Semester 1		**Semester 2**	
ME2102 Engineering Innovation and Modelling	4	GEA1000 Quantitative Reasoning	4
ME1102 Engineering Principles and Practice I	4	DTK1234 Design Thinking	4
MA1512 Differential Equations for Engineering	2	EE2211 Introduction to Machine Learning	4
MA1513 Linear Algebra with Differential Equations	2	PF1101 Fundamentals of Project Management	4
UTCP #1	4	ME2104 Engineering Principles and Practice II	4
UE	4	ME2134 Fluid Mechanics I	4
UE	4	UTCP #2	4
Sub-total	24	**Sub-total**	28
Semester 3		**Semester 4**	
ME2162 Manufacturing Processes	4		
ME2121 Engineering Thermodynamics and Heat Transfer	4		
ME2142 Feedback Control System	4		
ME2112 Strength of Materials	4	NUS Overseas College (NOC) experience (20 MC)*	20
EG2101 Pathways to engineering Leadership	2		
UTCP #3	4		
UE (or IE2141 if not staying at RC4)	4		
Sub-total	26	**Sub-total**	20
Semester 5		**Semester 6**	
ME4101A B.Eng Dissertation OR ME4101B Mechanical Systems Design	4	ME4101A B.Eng Dissertation OR ME4101B Mechanical Systems Design	4
ME2115 Mechanics of Machines	4	Technical Elective	4
UTCP #4	4	CDE2000 Creating Narratives	4
UE	4	EG2501 Liveable Cities	4
UE	4	UE	4
UE	4	UE	4
		UE	2
Sub-total	24	**Sub-total**	26
		Grand total	160

Notes:

1. If APT modules are not cleared, those modules must be cleared during the normal semesters

2. 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

3. *If not embarking on NOC, alternate module combinations to fulfil Industrial Attachment requirement (10MCs) include:
  a) EG3611A Industrial Attachment (10 MCs)
  b) EG3612 Vacation Industrial Attachment (6MCs) + EG2605 Undergraduate Research Opportunity (4MCs)
  c) 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.

4. If you wish to read Common Curriculum modules before your recommended semester, please submit an appeal or select the modules from Round 2.
  - 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)