Electrical Engineering

AY2022 cohort

Accurate as of June 2022

E-Scholars 3-years schedule (EE)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I (4 MC but it is mapped to MA1511 which is 2 MC)			4
MA2001 Linear Algebra I (maps to MA1508E)			4
CS1010E Programming Methodology			4
Sub-total			16
Semester 1		**Semester 2**	
EE1111A Electrical Engineering Principles & Practice I	4	GEA1000 Quantitative Reasoning	4
MA1512 Differential Equations for Engineering	2	DTK1234 Design Thinking	4
UTCP #1	4	EE2211 Introduction to Machine Learning	4
UE	4	PF1101 Fundamentals of Project Management	4
UE (or IE2141 if not staying at RC4)	4	EE2111A Electrical Engineering Principles & Practice II	4
UE	4	EE2023 Signals & Systems	4
		UTCP #2	4
Sub-total	22	**Sub-total**	28
Semester 3		**Semester 4**	
PC2020 Electromagnetics for Electrical Engineers	4		
EE2026 Digital Design OR EE2028 Microcontroller Programming and Interfacing	4		
EE2027 Electronics Circuits	4		
EE2022 Electrical Energy Systems	4	NUS Overseas College (NOC) experience (20 MC)*	20
EE2012 Analytical Methods in ECE	4		
UTCP #3	4		
EG2101 Pathways to engineering Leadership	2		
Sub-total	26	**Sub-total**	20
Semester 5		**Semester 6**	
EE4002D Design Capstone *or* EE4002R Research Capstone	4	EE4002D Design Capstone *or* EE4002R Research Capstone	4
Technical Elective	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
Sub-total	24	**Sub-total**	24
		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

 - 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)