

Electrical Engineering

AY2023 cohort

Accurate as of June 2023

E-Scholars 3-years schedule (EE)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I (4 units. It is mapped to MA1511 which is 2 units, + 2 units to UE)			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	NUS Overseas College (NOC) experience (20 units)*	20
EE2026 Digital Design OR EE2028 Microcontroller Programming and Interfacing	4		
EE2027 Electronics Circuits	4		
EE2022 Electrical Energy Systems	4		
EE2012 Analytical Methods in ECE	4		
UTCP #3	4		
Sub-total	76	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	CDE2501 Liveable Cities	4
UE	4	UE	4
UE	4	UE	4
EG2401A Engineering Professionalism	2		
Sub-total	26	Sub-total	24
			Grand total
			212

Notes:

1. If APT courses are not cleared, those courses 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 units before applying to NOC

3. *If not embarking on NOC, alternate module combinations to fulfil Industrial Attachment requirement (10 units) include:

- a) EG3611A Industrial Attachment (10 units)
- b) EG3612 Vacation Industrial Attachment (6 units) + EG2605 Undergraduate Research Opportunity (4 units)
- c) EG3612 Vacation Industrial Attachment (6 units) + CFG2101 NUS Vacation Internship Programme (4 units)

Note that EG3612 and EG3611A can be done as long as you have cleared 60 units.

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 courses before your department's recommended semester, please submit an appeal or select the course

- courses that may be selected from Round 2: PF1101, EG2501, ES2631 (if not doing UTCP)
- courses that require appeal: EG2401A, DTK1234, GEA1000, EG1311, CDE2000, EE2211, IE2141 (if not staying in RC4)

Please refer to the CDE common curriculum wiki for more info on common course pre-allocation and registration issues.

<https://wiki.nus.edu.sg/display/eng/Pre-allocation+and+Registration+for+Common+Courses+in+CDE>