

Electrical Engineering

AY2026 cohort (Jul 2026)

E-Scholars 3-years schedule (EE)					
Maths requirement (8u) If passed MA1505 APT -> MA1505 + MA1512 + MA1513 If passed MA1505&MA2001 APT -> MA1505+MA1512+MA2001 Else MA1511+MA1512+MA1508E			Summer EG1311 Design and Make 4 MA1505 Mathematics I 4 MA2001 Linear Algebra I 4 CS1010E Programming 4 16		
			Units		
			Internship requirement (10u) EG3611A Industrial Attachment EG3612/ETP3205 + CDE2605 EG3612/ETP3205 + CDE2605R EG3612/ETP3205 + CFG2101 1 sem NOC (~20u)		
			Units		
			Summer		
Semester 1	Units	Semester 2	Units	Semester 3	Units
MA1512 Differential Equations for Engineering	2	GEA1000 Quantitative Reasoning	4	CFG2101 NUS Vacation	4
EE1111A Electrical Engineering Principles & Practice I	4	EE2111A Electrical Engineering Principles & Practice II	4	Internship Programme	
DTK1234 Design Thinking	4	PC2020 Electromagnetics for Electrical Engineers	4		
PF1101A Fundamentals of Project Management and Finance	4	EE2023 Signals & Systems	4		
UTCP #1	4	EE2026 Digital Design	4		
UE	4	UTCP #2	4		
UE	4	UE*	2		
Sub-total	26	Sub-total	26	Sub-total	4
Semester 3	Units	Semester 4	Units	Semester 5	Units
EE2022 Electrical Energy Systems*	4	EE2012 Analytical Methods in ECE	4	EG3612 Vacation Industrial Attachment	6
EE2027 Electronics Circuits*	4	EE Technical Elective	4		
EE2028 Microcontroller Programming and Interfacing	4	EE Technical Elective	4		
EG2401A Engineering Professionalism	2	UTCP #4	4		
EE2211 Introduction to Machine Learning <u>or</u>	4	UE	4		
EE2213 Introduction to Artificial Intelligence	4	UE	4		
UTCP #3	4				
UE	4				
Sub-total	26	Sub-total	24	Sub-total	6
Semester 5	Units	Semester 6	Units		
EE4002D Design Capstone or EE4002R Research Capstone	4	EE4002D Design Capstone or EE4002R Research Capstone	4		
EE3033 Systems Integration and Design Lab	4	UE	4		
Extended Core Technical Elective	4	UE	4		
UE	4	UE	4		
Sub-total	16	Sub-total	16		
Grand total			160		

Notes:

1. If APT courses are not cleared, those courses (EG1311, MA1511, MA1505, MA1508E, CS1010E) must be cleared during the normal semesters
2. Special internship course enrollment arrangement for E-Scholars - EG3612 and EG3611A can be enrolled as long as you have cleared 60 units.
3. Important rules for NOC:
 - You MUST be in Singapore for Visa processing the semester BEFORE going to NOC.
 - You MUST have cleared at least 70 units before applying to NOC
4. Note that UROP (CDE2605) may be taken in any regular semester or special term as long as you are at seniority 2.
5. If you wish to read Common Curriculum courses before your department's recommended semester, please submit an appeal or select the courses from Round 2.
 - courses that require appeal: DTK1234, GEA1000, please email:
DTK1234 - dtk1234@nus.edu.sg
GEA1000 - qadmin@nus.edu.sg