

Computer Engineering

AY2026 cohort (Jul 2026)

E-Scholars 3-years schedule (CEG)					
			Summer		Units
Maths requirement (8u)		Internship requirement (10u)		EG1311 Design and Make	4
If passed MA1505 APT -> MA1505 + MA1512 + MA1513		EG3611A/CP3880		MA1505 Mathematics I	4
If passed MA1505&MA2001 APT -> MA1505+MA1512+MA2001		EG3612/ETP3205/CP3200/CP3202 + CDE2605		MA2001 Linear Algebra I	4
Else MA1511+MA1512+MA1508E		EG3612/ETP3205/CP3200/CP3202 + CDE2605R		CS1010 Programming	4
		EG3612/ETP3205/CP3200/CP3202 + CFG2101			
		1 sem NOC (~20u)			16
Semester 1	Units	Semester 2	Units	Summer	Units
MA1512 Differential Equations for Engineering	2	GEA1000 Quantitative Reasoning	4	CFG2101 NUS Vacation	4
CG1111A Engineering Principles and Practice I	4	DTK1234 Design Thinking	4	Internship Programme	
CS2040C Data Structures & Algorithms	4	CG2111A Engineering Principles and Practice II	4		
PF1101A Fundamentals of Project Management and Finance	4	CS1231 Discrete Structures	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	Summer	Units
CG2027 Transistor-level Digital Circuits +	4	CG2271 Real-time Operating Systems	4	EG3612 Vacation Industrial	6
CG2028 Computer Organization		CG2023 Signals & Systems	4	Attachment	
CS2107 Introduction to Information Security	4	CG3201 Machine Learning and Deep Learning	4		
CS2113 Software Engineering & Object-Oriented Programming	4	UTCP #4	4		
EE2211 Introduction to Machine Learning <u>or</u>	4	UE	4		
EE2213 Introduction to Artificial Intelligence		UE	4		
UTCP #3	4				
UE	4				
EG2401A Engineering Professionalism	2				
Sub-total	26	Sub-total	24	Sub-total	6
Semester 5	Units	Semester 6	Units		
CG3207 Computer Architecture	4	CG4002 CEG Capstone Project	8		
EE4204 Computer Networks	4	UE	4		
UE	4	UE	4		
UE	4				
Sub-total	16	Sub-total	16		
			Grand total	160	

Notes:

- If APT courses are not cleared, those courses (EG1311, MA1511, MA1505, MA1508E, CS1010E) must be cleared during the normal semesters
- Special internship course enrollment arrangement for E-Scholars - EG3612 and EG3611A can be enrolled as long as you have cleared 60 units.
- 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
- Note that UROP (CDE2605) 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 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