

Mechanical Engineering

AY2026 cohort (Jul 2026)

E-Scholars 3-years schedule (ME)					
			Summer		Units
Maths requirement (8u)		Internship requirement (10u)		EG1311 Design and Make	4
MA1505 + MA1512 + MA1513		EG3611A Industrial Attachment		MA1505 Mathematics I	4
		EG3612/ETP3205 + CDE2605		CS1010E Programming	4
		EG3612/ETP3205 + CDE2605R			
		EG3612/ETP3205 + CFG2101			
		1 sem NOC (~20u)			12
Semester 1	Units	Semester 2	Units	Summer	Units
ME1103/ Principles of Mechanics and Materials OR	4	ME1103/ Principles of Mechanics and Materials OR	4	CFG2101 NUS Vacation	4
ME2105 Principles of Mechatronics and Automation		ME2105 Principles of Mechatronics and Automation		Internship Programme	
MA1512 Differential Equations for Engineering	2	ME2102 Engineering Innovation and Modelling	4		
MA1513 Linear Algebra with Differential Equations	2	ME2134 Fluid Mechanics I	4		
DTK1234 Design Thinking	4	GEA1000 Quantitative Reasoning	4		
PF1101A Fundamentals of Project Management and Finance	4	UTCP #2	4		
UTCP #1	4	UE	4		
UE	4	UE	4		
Sub-total	24	Sub-total	28	Sub-total	4
Semester 3	Units	Semester 4	Units	Summer	Units
ME2116 Strength of Materials	4	ME3142 Feedback Control Systems	4	EG3612 Vacation Industrial	6
ME2121 Engineering Thermo. and Heat Transfer	4	ME3115 Mechanics of Machines	4	Attachment	
ME2162 Manufacturing Processes	4	ME Technical Elective	4		
ME3123 Applied Thermofluids	4	ME Technical Elective	4		
EE2211 Introduction to Machine Learning <i>or</i>	4	EG2401A Engineering Professionalism	2		
EE2213 Introduction to Artificial Intelligence		UTCP #4	4		
UTCP #3	4	UE	4		
UE	4				
Sub-total	28	Sub-total	26	Sub-total	6
Semester 5	Units	Semester 6	Units		
ME4101A B.Eng. Dissertation	4	ME4101A B.Eng. Dissertation	4		
ME Technical Elective	4	UE	4		
UE	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, 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 - qradmin@nus.edu.sg