

Robotics & Machine Intelligence

AY2026 cohort (Jul 2026)

E-Scholars 3-years schedule (RMI)					
Maths requirement (8u)			Summer		Units
If passed MA1505 APT -> MA1505 + MA1512 + MA1513			EG1311 Design and Make		4
Else MA1511+CE2407A+MA1512+MA1513			MA1505 Mathematics I		4
			CS1010E Programming		4
					12
Semester 1	Units	Semester 2	Units	Summer	Units
RB1101 Fundamentals of Robotics I	4	RB2101 Fundamentals of Robotics II	4	CFG2101 NUS Vacation	4
MA1512 Differential Equations for Engineering	2	RB3301 Introduction to Machine Intelligence	4	Internship Programme	
MA1513 Linear Algebra with Differential Equations	2	PF1101A Fundamentals of Project Management and Finance	4		
DTK1234 Design Thinking	4	GEA1000 Quantitative Reasoning	4		
UTCP #1	4	UTCP #2	4		
UE	4	UE	4		
UE	4	UE	4		
UE*	2				
Sub-total	26	Sub-total	28	Sub-total	4
Semester 3	Units	Semester 4	Units	Summer	Units
RB2202 Kinematics and Dynamics for Robots	4	RB2203 Robot Control	4	EG3612 Vacation Industrial	6
RB2301 Robot Programming	4	RB2302 Fundamentals of Artificial Neural Networks	4	Attachment	
RMI Technical Elective	4	RMI Technical Elective	4		
EG2401A Engineering Professionalism	2	UTCP #4	4		
EE2211 Introduction to Machine Learning <i>or</i>	4	UE	4		
EE2213 Introduction to Artificial Intelligence	4	UE	4		
UTCP #3	4				
UE	4				
UE*	2				
Sub-total	28	Sub-total	24	Sub-total	6
Semester 5	Units	Semester 6	Units		
RB4101A B.Eng. Dissertation	4	RB4101A B.Eng. Dissertation	4		
RB3302 Planning and Navigation	4	RMI Technical Elective	4		
RMI Technical Elective	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, 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 - qradmin@nus.edu.sg