Robotics and Machine Intelligence (RMI) Undergraduate Curriculum Structure

(Cohort AY2025/2026 onwards)

RMI Major Requirements	Common Curriculum Requirements		Unrestricted Elective (UE) Courses
RMI Core (20 units) • MA1511 (2 units) • MA1512 (2 units) • MA1513 (2 units) • CE2407A (2 units) • EG2401A Engineering Professionalism (2 units) • EG3611A Industrial Attachment (10 units) **RMI Major (60 units)** • RB1101 Fundamentals of Robotics I (4 units) • RB2101 Fundamentals of Robotics II (4 units) • Core Courses (28 units) • RMI Technical Electives (16 units) • Integrated Project: FYP RB4101A (8 units)	**General Education (GE) Courses (24 units)** • GEA1000 Quantitative Reasoning with Data (4 units) • CS1010E Programming Methodology (4 units) • ES2631 Critique and Communication of Thinking and Design (4 units) • CDE2501 Liveable Cities (4 units) • Communities & Engagement (4 units) • Cultures and Connections (4 units)	**Common Courses (16 units)** • EG1311 Design and Make (4 units) • EE2211 Introduction to Machine Learning (4 units) <u>or</u> EE2213 Introduction to Artificial Intelligence (4 units) • DTK1234 Design Thinking (4 units) • PF1101A Project Management and Finance (4 units)	**40 units of Unrestricted Elective Courses** (Any course open to you; may be used to fulfil requirements for specialisations, majors or minors. Refer to the "Build Your Own Degree" page for more information.)
Sub-total = 80 units	**Sub-total = 40 units**		**Sub-total = 40 units**

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Minimum required for graduation = 160 units