

Mechanical Engineering Undergraduate Curriculum Structure (Cohort AY2025/2026 onwards)

Mechanical Engineering Major Requirements	Common Curriculum Requirements		Unrestricted Elective (UE) Courses
Engineering Core (20 units) <ul style="list-style-type: none"> MA1505 (4 units) MA1512 (2 units) MA1513 (2 units) EG2401A Engineering Professionalism (2 units) EG3611A Industrial Attachment (10 units) Mechanical Engineering Major (60 units) <ul style="list-style-type: none"> ME1103 Principles of Mechanics and Materials (4 units) ME2105 Principles of Mechatronics and Automation (4 units) Core Courses (32 units) ME Technical Electives (12 units) Integrated Project: FYP ME4101A (8 units) 	General Education (GE) Courses (24 units) <ul style="list-style-type: none"> GEA1000 Quantitative Reasoning with Data CS1010E Programming Methodology ES2631 Critique and Communication of Thinking and Design CDE2501 Liveable Cities Communities & Engagement Cultures and Connections 	Common Courses (16 units) <ul style="list-style-type: none"> EG1311 Design and Make EE2211 Introduction to Machine Learning <u>or</u> EE2213 Introduction to Artificial Intelligence DTK1234 Design Thinking PF1101A Project Management and Finance 	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

Minimum required for graduation = 160 units