

Mechanical Engineering Undergraduate Curriculum Structure (Cohort AY2021/2022 – AY2024/2025)

Mechanical Engineering Major Requirements	Common Curriculum Requirements		Unrestricted Elective (UE) Courses
<p>Engineering Core (20 Units)</p> <ul style="list-style-type: none"> Mathematics I & II (8 Units) EG2401A Engineering Professionalism (2 Units) EG3611A Industrial Attachment (10 Units) <p>Mechanical Engineering Major (40 Units)</p> <ul style="list-style-type: none"> Engineering Principles & Practice I/II (8 Units) Core courses (28 Units) ME elective course (4 Units) 	<p>General Education (GE) Courses (24 Units)</p> <ul style="list-style-type: none"> GEA1000 Quantitative Reasoning with Data CS1010E Programming Methodology ES2531 Critical Thinking & Writing *Singapore Studies Communities & Engagement Cultures and Connections 	<p>Common Courses (36 Units)</p> <ul style="list-style-type: none"> EG1311 Design and Make *IE2141 Systems Thinking and Dynamics EE2211 Introduction to Machine Learning DTK1234 Design Thinking PF1101 Fundamentals of Project Management *CDE2501 Sustainable Systems Liveable Cities *CDE2000 Creating Narratives Integrated Project: ME Design or FYP (8 MCs) 	<p>40 Units of Unrestricted Elective Courses</p> <p>(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.)</p>
<p>Sub-total = 60 Units</p>	<p>Sub-total = 60 Units</p>		<p>Sub-total = 40 Units</p>

Minimum required for graduation = 160 Units