



The Engineering Undergraduate Curriculum Structure Overview

Engineering Undergraduate Curriculum Structure (AY2013/2014)

University Level Requirements	Programme Requirements		Unrestricted Elective Modules
<ul style="list-style-type: none"> • 2 General Education Modules (GEMs) = 8 MCs • 1 Singapore Studies (SS) module = 4 MCs • 2 Breadth Modules=8 MCs (outside student's Faculty) 	<p>Faculty Requirements:</p> <p>Common Year 1 Modules:</p> <ul style="list-style-type: none"> • Critical Thinking & Writing = 4 MCs <p>Common Non-Year 1 Modules:</p> <ul style="list-style-type: none"> • Human Resource Management = 3 MCs • Engineering Professionalism = 3MCs 	<p>Major Requirements:</p> <p>Foundational Requirements (23 MCs):</p> <ul style="list-style-type: none"> • Physics I, Mathematics I & II • Programming Methodology • Statics & Mechanics of Materials • Electrical Engineering <p>Discipline Specific Modules (88 MCs) (Mechanical Engineering modules):</p> <ul style="list-style-type: none"> • Core modules = 41 MCs • Design & Project modules = 27 MCs • ME elective modules = 20 MCs 	<ul style="list-style-type: none"> • 20 MCs of Unrestricted Elective Modules (UEMs) - ES2331 Communicating Engineering
<p>Sub-Total MCs = 20</p>	<p>Sub-Total MCs = 10</p>	<p>Sub-Total MCs = 111</p>	<p>Sub-Total MCs = 20</p>
<p>Minimum MCs required for graduation = 161</p>			