

<b>GRADUATION REQUIREMENTS FOR COHORT 2014/2015</b>	<b>MC</b>
<b>UNIVERSITY LEVEL REQUIREMENTS</b>	<b>20</b>
General Education Modules (GEMs)	8
Singapore Studies module	4
Breadth Modules outside Student's Faculty	8
<b>UNRESTRICTED ELECTIVE MODULES</b>	<b>16</b>
<b>PROGRAMME REQUIREMENTS:</b>	
<b>Faculty Requirements</b>	<b>10</b>
GEK1549 Critical Thinking and Writing	4
EG2401 Engineering Professionalism	3
ES2331 Communicating Engineering (Breadth/UEM)	-
HR2002 Human Capital in Organizations	3
English*	
<b>Foundation Requirements</b>	<b>27</b>
CS1010E Programming Methodology	4
EG1108 Electrical & Computer Engineering	3
EG1109 Statics & Mechanics of Materials	4
MA1505 Mathematics I	4
MA1506 Mathematics II	4
PC1431 Physics IE	4
PC1432 Physics IIE	4
<b>BME Major Requirements</b>	<b>56</b>
BN2102 Bioengineering Data Analysis	4
BN2201 Quantitative Physiology for Bioengineers	4
BN2202 Introduction to Biotransport	4
BN2401 Biosignals Processing	4
BN3201 Introduction to Biomechanics	4
BN3301 Introduction to Biomaterials	4

BN3401 Biomedical Electronics & Systems	4
BN3501 Equilibrium & Kinetic Bioprocesses	4
CM1501 Organic Chemistry for Engineers	4
LSM1401 Fundamentals of Biochemistry	4
LSM2103 Cell Biology	4
EG3601 Industrial Attachment	12
<b>BME Design and Project Modules</b>	<b>20</b>
BN2103 Bioengineering Design Workshop	2
BN2203 Introduction to Bioengrg Design	4
BN3101 Biomedical Engineering Design	6
BN4101 B.Eng. Dissertation	8
<b>Technical Electives</b>	<b>12</b>
<b>TOTAL</b>	<b>161</b>