

### Model Study Path for BENGEGU4 BME 2018 Cohort (non-CES mode)

Yr	Sem	College Requirements	Gateway Education (GE): College/School-specified Courses			GE: English®	Gateway Education & Others		CUs
<b>1</b>	<b>A</b>	Science 1 (3)		MA1200 Calculus and Basic Linear Algebra I / MA1300 Enhanced Calculus and Linear Algebra I (3)	GE1401 University English (3)	GE1501 Chinese Civilisation – History and Philosophy (3)	GE 1 (3)	<b>15</b>	
	<b>B</b>	Science 2 (3)	CS1102 Introduction to Computer Studies / CS1302 Introduction to Computer Programming (3)	MA1201 Calculus and Basic Linear Algebra II / MA1301 Enhanced Calculus and Linear Algebra II (3)	GE2410 English for Engineering (3)		GE 2 (3)	<b>15</b>	
	<b>S</b>	Reserve for missed courses /						Reserve for missed courses	
<b>Major Requirements</b>									
<b>2</b>	<b>A</b>	PHY1201 General Physics I (3) or BCH1100 Chemistry (3) or BCH1200 Discovery in Biology (3) <sup>#</sup>	MA2177 Engineering Mathematics and Statistics (3)	BME2029 Electrical and Electronic Principles (3)	BME2105 Introduction to Biomedical Engineering (3)	BME2036 Engineering Computing (3)			<b>15</b>
	<b>B</b>	BME2102 Introduction to Biomechanics (3)	BME2121 Artificial Intelligence in Biomedical Engineering (3)	BME2122 Biological Thermofluids (3)	BME2103 Medical Biotechnology in Imaging and Measurement (3)	BMS2801 Molecules and Cells (3)			<b>15</b>
	<b>S</b>	Reserve for missed courses /						Reserve for missed courses	
<b>3</b>	<b>A</b>	BME4103 Bio-safety and Security (3)	BME3123 Materials for Biomedical Engineering (3)	BME3121 Biomedical Signals and Systems	BME2104 Tissue Engineering (3)	BME3104 Health Maintenance and Wellness Technology (3)			<b>15</b>
	<b>B</b>	BME3102 Human Quantitative Physiology (3)	CS4465 Computational Biology and Bioinformatics (3)	BME3103 Bio-sensors and Bio-devices (3)	Major Elective 1 (3)			GE 3 (3)	<b>15</b>
	<b>S</b>	Reserve for IAS or taking some Elective courses available /						Reserve for missed courses	
<b>4</b>	<b>A</b>	BME4102 Final Year Project (3)	BME4101 Biomedical Instrumentation (3)	Major Elective 2 (3)	Major Elective 3 (3)			GE 4 (3)	<b>15</b>
	<b>B</b>	BME4102 Final Year Project (6)	BME4066 Professional Engineering Practice (3)	Major Elective 4 (3)			Free Elective (3)		<b>15</b>
	<b>S</b>	Reserve for missed Elective courses /						Reserve for missed courses	
( ) indicates number of credits								<b>Total credits (minimum):</b>	<b>120</b>

<sup>@</sup> Students whose entry qualifications in HKDSE English Language is below Level 4 are required to take EL0200A and/or EL0200B, and should take the GE English courses in the following semesters/terms.

<sup>#</sup> Students are required to complete PHY1201, BCH1100 or BCH1200 whichever is not taken as Science 1 and Science 2.

Note 1: Students may alter the study path and courses can be taken in any order or in any year of study provided pre-requisite and pre-cursor requirements are satisfied and all graduation requirements could be met within the normative study period.

Note 2: Students can take Major electives from Year 3 depending on their overall study plan.

### Model Study Path for BENGEGU4 BME 2018 Cohort (Optional CES mode)

Yr	Sem	College Requirements	Gateway Education (GE): College/School-specified Courses			GE: English <sup>@</sup>	Gateway Education & Others		CUs
<b>1</b>	<b>A</b>	Science 1 (3)		MA1200 Calculus and Basic Linear Algebra I / MA1300 Enhanced Calculus and Linear Algebra I (3)	GE1401 University English (3)	GE1501 Chinese Civilisation – History and Philosophy (3)	GE 1 (3)	<b>15</b>	
	<b>B</b>	Science 2 (3)	CS1102 Introduction to Computer Studies / CS1302 Introduction to Computer Programming (3)	MA1201 Calculus and Basic Linear Algebra II / MA1301 Enhanced Calculus and Linear Algebra II (3)	GE2410 English for Engineering (3)		GE 2 (3)	<b>15</b>	
	<b>S</b>	Reserve for missed courses					Reserve for missed courses		
<b>Major Requirements</b>									
<b>2</b>	<b>A</b>	PHY1201 General Physics I (3) or BCH1100 Chemistry (3) or BCH1200 Discovery in Biology (3) <sup>#</sup>	MA2177 Engineering Mathematics and Statistics (3)	BME2029 Electrical and Electronic Principles (3)	BME2105 Introduction to Biomedical Engineering (3)	BME2036 Engineering Computing (3)			<b>15</b>
	<b>B</b>	BME2102 Introduction to Biomechanics (3)	BME2121 Artificial Intelligence in Biomedical Engineering (3)	<b>BME2122 Biological Thermofluids (3)</b>	BME2103 Medical Biotechnology in Imaging and Measurement (3)	BMS2801 Molecules and Cells (3)			<b>15</b>
	<b>S</b>	Reserve for missed courses					Reserve for missed courses		
<b>3</b>	<b>A</b>	BME4103 Bio-safety and Security (3)	<b>BME3123 Materials for Biomedical Engineering (3)</b>	BME3121 Biomedical Signals and Systems	BME2104 Tissue Engineering (3)	BME3104 Health Maintenance and Wellness Technology (3)			<b>15</b>
	<b>B</b>	BME3102 Human Quantitative Physiology (3)	CS4465 Computational Biology and Bioinformatics (3)	BME3103 Bio-sensors and Bio-devices (3)	Major Elective 1 (3)	Major Elective 2 (3)			<b>15</b>
	<b>S</b>	Reserve for missed courses					GE 3 (3)	GE 4 (3)	<b>6</b>
<b>4</b>	<b>A</b>	BME4102 Final Year Project (3)	BME4101 Biomedical Instrumentation (3)		CES FS4001 (4)	Major Elective 3 (3)			<b>13</b>
	<b>B</b>	BME4102 Final Year Project (6)	BME4066 Professional Engineering Practice (3)		CES FS4001 (4)	Major Elective 4 (3)			<b>16</b>
	<b>S</b>	Reserve for missed Elective courses /					Reserve for missed courses		
( ) indicates number of credits							<b>Total credits (minimum):</b>		<b>125</b>

<sup>@</sup> Students whose entry qualifications in HKDSE English Language is below Level 4 are required to take EL0200A and/or EL0200B, and should take the GE English courses in the following semesters/terms.

<sup>#</sup> Students are required to complete PHY1201, BCH1100 or BCH1200 whichever is not taken as Science 1 and Science 2.

Note 1: Students may alter the study path and courses can be taken in any order or in any year of study provided pre-requisite and pre-cursor requirements are satisfied and all graduation requirements could be met within the normative study period.

Note 2: Students can take Major electives from Year 3 depending on their overall study plan.