

## Course Structure - BScEngHons Degree Programme Specializing in Civil Engineering [Effective up to E/21]

Sem.	Courses								
<b>S1</b>	GP101 English I (3)	GP109 Material Science (3)	GP110 Engineering Mechanics (3)	GP112 Engineering Measurements (3)	GP114 Engineering Drawing (3)	GP115 Calculus I (3)			
<b>S2</b>	GP102 English II (3)	GP106 Computing (3)	GP111 Elementary Thermodynamics (3)	GP113 Fundamentals of Manufacture (3)	GP116 Linear Algebra (3)	GP118 Basic Electrical and Electronic Engineering (3)			
<b>S3</b>	EM211 Ordinary Differential Equations (2)	EM213 Probability and Statistics (2)	CE201 Mechanics of Materials (3)	CE202 Fluid Mechanics (3)	CE210 Engineering Surveying (3)	EE280 Introduction to Electrical Engineering (3)	ME202 Mechanical Engineering for Civil Engineers (3)		
<b>S4</b>	EM212 Calculus II (2)	CE208 Structural Analysis (3)	CE205 Engineering Hydrology (3)	CE204 Geomechanics (3)	CE209 Building Planning and Construction (3)	MA201 Engineering Management (3)	CE219 Civil Engineering Laboratory I (1)		
<b>Industrial Training Seg.1</b>									
<b>S5</b>	EM315 Numerical Methods for Civil Engineers (2)	CE312 Design of structures II (3)	CE302 Environmental Engineering (3)	CE305 Hydraulics (3)	CE310 Geotechnical Engineering (3)	CE318 Transportation and Highway Engineering (3)	CE319 Civil Engineering Laboratory II (1)	Technical Electives*	General Electives**
<b>S6</b>	CE306 Finite Element Methods in Solid Mechanics (3)	CE306 Design of structures I (3)	CE316 Advanced Mechanics of Materials (2)	CE311 Hydraulic Engineering and Design (3)	CE308 Geotechnical Design (3)	CE320 Civil Engineering Laboratory III (1)	CE317 Civil Engineering Field Work (3)	Technical Electives*	General Electives**
<b>Industrial Training Seg. 2</b>									
<b>S7</b>	CE405 Civil Engineering Project I (3)	CE403 Construction Management (2)	Technical Electives*	General Electives**					
<b>S8</b>	CE406 Civil Engineering Project II (3)	CE402 Multi Disciplinary Design Project (3)	Technical Electives*	General Electives**					

\*Min. total credit requirement from Technical Electives - 16

\*\*Min. total credit requirement from General Electives - 8