## **CIVIL ENGINEERING - Single Honours**

Single Honours Degree Requirements	MCs	Remarks	Classification
(A) University Level Requirements			
General education modules:			
GER1000 Quantitative Reasoning	4		CA
GEQ1000 Asking Questions	4	Only 1 set needs to be completed for both BEng and BBA	CA
GET	4	degrees. May be replaced by selected USP, RVRC or UTCP modules.	CA
GEH GES	4	modules.	CA CA
Sub-total for University Level Requirements	20		CA
(B) Engineering Programme Requirements	20		
Faculty requirements:			
EG2401A Engineering Professionalism	2		C1
ES2351 Critical Thinking and Writing	4	Can be replaced by UWC2101% (for USP students), ES1601 (for RVRC students), or UTW2001% (for UTCP students).	CA
Foundation requirements:			
CE1101A Civil Engineering Principles and Practice	4		C1
CE2102 Principles & Practice in Infrastructure and Environment	4		C1
MA1505 Mathematics I	4		C1
CS1010E Programming Methodology	4		C1
EE2211 Introduction to Machine Learning	4		C1
EG1311 Design and Make	4		C1
IE2141 Systems Thinking and Dynamics	4		C1
MLE1010 Materials Engineering Principles & Practices  CVE core modules:	4		C1
CE2112 Soil Mechanics	4		C1
CE2134 Hydraulics	4		C1
CE2155 Structural Mechanics and Materials	4		C1
CE2183 Construction Project Management	4		C1
CE2407 Engineering and Uncertainty Analyses	4		C1
ESE3001 Water Quality Engineering	4		C1
CE3115 Geotechnical Engineering	4		C1
CE3116 Foundation Engineering	4		C1
CE3121 Transportation Engineering	4		C1
CE3132 Water Resources Engineering	4		C1
CE3155 Structural Analysis	4		C1
CE3165 Structural Concerete Design	4		C1
CVF project and interrupting modules.	4		C1
CVE project and internship modules: CE4103 Design Project	4		C1
CE4104 B.Eng. Dissertation	8		C1
EG3611A Industrial Attachment	-	Exempted for DDP students	-
CVE electives:		Exemples for BB1 stadents	
Free electives	2		C1
Sub-total for Engineering Programme Requirements	104		
(C) FASS Faculty Requirements			
Level 1000 exposure module - Asian Studies	4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E	C2
Level 1000 exposure module - Social Sciences	4	EC1101E Introduction to Economic Analysis	C2
Level 1000 exposure module - Humanities	4	Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029	C2
FAS1102 Public Writing and Communication or	4		C2
FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst			
Sub-total for FASS Faculty Requirements	16		
(D) Economics Major Requirements			
Essential modules: EC2101 Microeconomic Analysis I	4		C2
EC2101 Microeconomic Analysis I EC2102 Macroeconomic Analysis I	4		C2
EC2104 Quantitative Methods for Economic Analysis	4		C2
EC3101 Microeconomic Analysis II	4		C2
EC3102 Macroeconomic Analysis II	4		C2
EC3303 Econometrics I	4		C2
Elective modules:			
EC elective 1 (Level 2000/3000)	4		C2
EC elective 2 (Level 3000)	4		C2
EC elective 2 (Level 3000)	4		C2
Sub-total for Economics Major Requirements	36		
(E) Common Modules			
BEng module	4	Select from list of Common Modules	CA
EC module	4		CA
Sub-total for Common Modules TOTAL (minimum)	8 184		
TO TALE (AMINIMUM)	104		