CIVIL ENGINEERING - Double Honours

Double 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	CA
GEH	4	modules.	CA
GES	4		CA
Sub-total for University Level Requirements	**20**		
(B) Engineering Programme Requirements			
Faculty requirements:			
EG2401A Engineering Professionalism	2		C1
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	4		C1
CVE core modules:			
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
CE3166 Structural Steel Design and System	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	-
Sub-total for Engineering Programme Requirements	**98**		
(C) Business Programme Requirements			
Business preparatory modules:			
BPM1701 Calculus and Statistics	0	These modules must be completed within the first semester	-
BPM1702 Microsoft Excel Skills for Business	0	after matriculation or first semester of commencing the DDP	-
BPM1705 Understanding How Business Works	0	for mid-stream DDP students.	-
STR1000 Career Creation Starter Workshops	0		-
STR2000 Career Creation Starter Clinics	0		-
Global Immersion and Study	-	May be fulfilled through student exchange, overseas internship, case competition, or study trip.	-
BBA core modules:			
ACC1701 Accounting for Decision Makers	4		C2
BSP1702 Legal Environment of Business	4		C2
BSP1703 Managerial Economics	4		C2
BSP2701 Global Economy	2		C2
BSP3701 Strategic Management	4		C2
DAO1704 Desicion Analytics Using Spreadsheets	4		C2
DAO2702 Programming for Business Analytics	4		C2
DAO2703 Operations and Technology Management	4		C2
FIN2704 Finance	4		C2
MKT1705 Principles of Marketing	4		C2
MNO1706 Organisational Behaviour	4		C2
MNO2705 Leadership and Decision Making under Uncertainty	4		C2
BBA electives / specialisation modules:			
BBA elective 1	4	It is not compulsory for DDP students to do a specialisation, but those who wish take up a specialisation will need to	C2
BBA elective 2	4	complete 24 MCs of specialisation modules.	C2
Honours requirements:			
BHD4001 Dissertation or 3 Level 4000 BBA modules	12		C2
FSP4003 Field Service Project	8	Must not be related to dissertation research area.	C2
Sub-total for Business Programme Requirements	**74**		
(D) Common Modules			
ES2531 Critical Thinking and Writing	4	Replaces ES2002 Business Communication for Leaders (BBA). Can also be replaced by UWC2101% (for USP students), ES1601 (for RVRC students), or UTW2001% (for UTCP students).	CA
BEng module 1	4		CA
BEng module 2	4	Select from list of Common Modules.	CA
BBA module 1	4		CA
BBA module 1	4		CA
Sub-total for Common Modules	**20**		
TOTAL (minimum)	**212**		