CHEMICAL ENGINEERING - Double Honours

Davida Hanaya Dagaa Bayiisanada	MCs	Remarks	Classification
Double Honours Degree Requirements (A) University Level Requirements	IVICS	Remarks	Classification
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:			
CN1101A Chemical Engineering Principles and Practice I	4		C1
CN2102 Chemical Engineering Principles and Practice II	4		C1
MA1511 Engineering Calculus	2		C1
MA1512 Differential Equations for Engineering	2		C1
MA1513 Linear Algebra with Differential Equations	2		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
CHE core modules:			
CN2101 Material and Energy Balances	3		C1
CN2116 Chemical Kinetics & Reactor Design	4		C1
CN2121 Chemical Engineering Thermodynamics	4		C1
CN2122A Fluid Mechanics	4		C1
CN2125 Heat and Mass Transfer	4		C1
CN3101 Chemical Engineering Lab	4		C1
CN3121 Process Dynamics & Control	4		C1
CN3124A Fluid-Particle Systems	4		C1
CN3132 Separation Processes	4		C1
CN3135 Process Safety, Health and Environment	3		C1
CN3421A Process Modeling & Numerical Simulation	3		C1
CN4122 Process Synthesis and Simulation	3		C1
CHE project and internship modules:			C4
CN4123R Final Year Design Project EG3611A Industrial Attachment	6	EtdfDDDtdt	C1
CHE pathway requirements and electives:	-	Exempted for DDP students	-
CHE pathway requirements and electives: CHE pathway requirement 1	4	Pathway requirement 2 is counted as Common Module.	C1
Sub-total for Engineering Programme Requirements	90	Faciliway requirement 2 is counted as common Module.	CI
(C) Business Programme Requirements	90		
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		
		May be fulfilled through student exchange, overseas	
Global Immersion and Study	-	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,	C2
	7	but those who wish take up a specialisation will need to	GZ
BBA elective 2	4	complete 24 MCs of specialisation modules.	C2
	1	,	CZ.
Honours requirements:			
BHD4001 Dissertation			C2
or 3 Level 4000 BBA modules	12		CZ
	12		
FSP4003 Field Service Project	8	Must not be related to dissertation research area.	C2
FSP4003 Field Service Project Sub-total for Business Programme Requirements		Must not be related to dissertation research area.	C2
FSP4003 Field Service Project	8		C2
FSP4003 Field Service Project Sub-total for Business Programme Requirements	8	Replaces ES2002 Business Communication for Leaders (BBA). Can also be replaced by UWC2101% (for USP students), ES1601 (for RVRC students), or UTW2001% (for UTCP	C2
FSP4003 Field Service Project Sub-total for Business Programme Requirements (D) Common Modules ES2531 Critical Thinking and Writing	8 74	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
FSP4003 Field Service Project Sub-total for Business Programme Requirements (D) Common Modules ES2531 Critical Thinking and Writing BEng module 1	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). CN5111 Optimization of Chemical Processes	CA CA
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