ELECTRICAL ENGINEERING - Single Honours

Commontained Comm	Single Honours Degree Requirements	MCs	Remarks	Classification
General education modules		IVICS	nemarks	Ciassification
A				
CECTION ASSESSED CENTERS 4 4 CECTION ASSESSED CENTERS CECTION ASSESSED CENTERS CECTION ASSESSED CENTERS CECTION ASSESSED CENTERS CECTION ASSESSED CECTION ASSESSED CENTERS CECTION ASSESSED CENT		4		CA
Series	· ·		Only 1 set needs to be completed for both BEng and BBA	
Sept		4	degrees. May be replaced by selected USP, RVRC or UTCP	CA
Sub-teal for University Leven Requirements	GEH	4	modules.	CA
Comment Comm	GES	4	1	CA
Seauly regularements	Sub-total for University Level Requirements	20		
Seadolf-Regimenting Professoralation	(B) Engineering Programme Requirements			
S2251 Critical Thinking and Writing	Faculty requirements:			
Season Communities and writing August Students	EG2401A Engineering Professionalism	2		C1
ESTITIAL Electrical Engineering Principles & Practice! 4	ES2351 Critical Thinking and Writing	4		CA
	Foundation requirements:			
MASTS Differential Equations for Engineering 2 c	EE1111A Electrical Engineering Principles & Practice I	4		C1
MASSER Libers Algebra for Engineering 2				
MALSOBE Linear Algebra for Engineers				
CSUDIES Programming Methodology				
EG1311 Design and Make				
E2143 systems Thinking and Dynamics				
MLE 1010 Materials Engineering Principles & Practices 4				
Economic Models				
EE2012A analytical Methods in Electrical and Computer Engineering 3		4		CI
EE2025 Signals and Systems		2		C1
EE2026 Digital Design				
E2029 Ectronic Circuits				
EE2028 A C Programming and Interfacing				
EE2029 Introduction to Electrical Energy Systems				
EE2029 Introduction to Electrical Energy Systems 3		2		C1
PC2020 Electromagnetics for Electrical Engineers		3		C1
EE project and internship modules:		4		C1
EE project and internship modules:	PC2020 Electromagnetics for Electrical Engineers	4		C1
CE CE CE CE CE CE CE CE				
CE Common Commo	EE4002D Design Capstone	0		C1
EE pathway requirement 1	<u>or</u> EE4002R Research Capstone			CI
EE pathway requirement 2		-	Exempted for DDP students	-
EE pathway requirement 2				
EE outer core elective				
Et technical electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Social Sciences Level 1000 exposure module - Social Sciences Level 1000 exposure module - Humanities Level 1000 exposure module - Lumanities Level 1000 exposure module - Humanities Level 1000 exposure module - Lumanities L				
Programme to fulfil this requirement	EL outer core elective	4	Charleste and also halls EC3C13 Venetical between him	C1
Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Asian Studies Level 1000 exposure module - Social Sciences Level 1000 exposure module - Humanities Level 1000 exposure module	EE technical electives	6	·	C1
Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E	Sub-total for Engineering Programme Requirements	100	r rogramme to rum this requirement	
Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E		200		
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 FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements Essential modules: EC2101 Microeconomic Analysis I EC2102 Macroeconomic Analysis I EC2102 Macroeconomic Analysis II EC3301 Economic Analysis II EC3301 Microeconomic Analysis II EC3301 Microeconomic Analysis II EC3301 Economic Snajors Economic Analysis II EC EG3101 Microeconomic Analysis II EC EG3101 Microeconomic Analysis II EC ECCEUS ECCONOMIC Analysis II EC ECCONOMIC Economic		4	•	C2
Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029	Level 1000 exposure module - Social Sciences	4		C2
FAS1102 Public Writing and Communication		4	Choose one from the following: EL1101E, EN1101E, TS1101E,	
Or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst 4 C2 FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst 16 (O) Economics Major Requirements Sesential modules: C2 EC2101 Microeconomic Analysis I 4 C2 EC2102 Macroeconomic Analysis I 4 C2 EC2104 Quantitative Methods for Economic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3303 Econometrics I 4 C2 EC elective modules: C2 C2 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 CA (E) Common Modules 4 Select from list of Common Modules CA EC module 4 Select from list of Common Modules CA	FAS1102 Public Writing and Communication			
FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules: EC2101 Microeconomic Analysis I EC2102 Macroeconomic Analysis I EC2102 Quantitative Methods for Economic Analysis EC2101 Microeconomic Analysis II EC2102 Macroeconomic Analysis II EC3101 Microeconomic Analysis II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3103 Macroeconomic Analysis II EC3104 Quantitative Methods for Economic Analysis II EC3105 Macroeconomic Analysis II EC3106 Macroeconomic Analysis II EC3107 Macroeconomic Analysis II EC3108 Macroeconomic Analysis II EC3109 Macroeconomic Analysis II EC3109 Macroeconomic Analysis II EC3100 Macro		4		C2
Sub-total for FASS Faculty Requirements		1		CZ
CD Economics Major Requirements Essential modules:		16		
Essential modules:	· ·			
EC2102 Macroeconomic Analysis 4				
EC2102 Macroeconomic Analysis 4		4		C2
C2 EC3101 Microeconomic Analysis 1				
EC3102 Macroeconomic Analysis II 4 C2 EC3303 Econometrics I 4 C2 Elective modules: C2 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 C2 (E) Common Modules Select from list of Common Modules CA EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8 CA	EC2104 Quantitative Methods for Economic Analysis	4		C2
EC3303 Econometrics I 4 C2 Elective modules: C2 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 C2 (E) Common Modules Eng module 4 Select from list of Common Modules CA EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8 CA				
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BEng module 4 Select from list of Common Modules CA EC module 4 CA Sub-total for Common Modules 8 CA		36		
EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8	•	4		64
Sub-total for Common Modules 8			Select from list of Common Modules	
				CA
	TOTAL (minimum)	180		