CHEMICAL ENGINEERING - Single Honours

Committee Comm	Cinale Hangura Dogras Bassinananta	NAC-	Damarka	Classification
General education modules	Single Honours Degree Requirements (A) University Level Requirements	MCs	Remarks	Classification
GERTION CAUTHORNER Reasoning 4 Chy 3 set needs to be completed for both Bing and BBA CA GET				
CECUTION ASSIGN CLIEBERT 4 4 Modern		1		CA
GET			Only 1 set needs to be completed for both BEng and BBA	
CREST CRES				
CES 4				
Sub-total for University Level Requirements 20			inloudies.	
Commonstration Comm				CA
	, ,	20		
Can be replaced by UWC2101% (for USP students), ES1501 (or Can be replaced by UWC2101% (for USP students), ES1501 (for USP students)	· · · · · · · · · · · · · · · · · · ·			
S2351 Critical Thinking and Writing	, ,	2		C1
Seption Common	EGZ401A Engineering Professionalism	2	Can be replaced by LIMC21019/ (for LISP students) ES1601 (for	CI
C120202.Chemical Engineering Principles and Practice 4	ES2351 Critical Thinking and Writing	4		CA
CAU202 Chemical Engineering Principles and Practice II	Foundation requirements:			
MASTS Differential Equations for Engineering 2 consists of Engineering Methodology 4 double for Engineering Methodology 4 double for Engineering Methodology 4 double for Engineering Methodology 6 double for Engineering Programme Requirements 9 double for Engineering Program	CN1101A Chemical Engineering Principles and Practice I	4		C1
MAISSI Differential Equations for Engineering 2 C1 MAISSI Differential Equations 2 C1 CS10100 Programming Methodology 4 March CS1010 Programming Methodology 6 March CS10	CN2102 Chemical Engineering Principles and Practice II	4		C1
MAISTALL THORAT AGENT AND PRITECTABLE EQUATIONS 2	MA1511 Engineering Calculus	2		C1
California Cal	MA1512 Differential Equations for Engineering	2		C1
EE2211 Introduction to Machine Learning	MA1513 Linear Algebra with Differential Equations	2		C1
EG1911 Design and Make	CS1010E Programming Methodology	4		C1
IE2145 systems Thinking and Dynamies	EE2211 Introduction to Machine Learning	4		C1
MELEJOU Materials Engineering Principles & Practices Care Core modules: Care Core modules: Care Core modules: Care Core modules: Care Core Core Core Core Core Core Core Co	EG1311 Design and Make	4		C1
CAPICATION ACTION AND ACTION	IE2141 Systems Thinking and Dynamics	4		C1
CA2101 Material and Energy Balances 3 C C C C C C C C C	MLE1010 Materials Engineering Principles & Practices	4		C1
CR2121 Chemical Rinetics & Reactor Design	CHE core modules:			
CR2121 Chemical Rinetics & Reactor Design	CN2101 Material and Energy Balances	3		C1
CA2122 Fluid Am Abas Transfer	CN2116 Chemical Kinetics & Reactor Design	4		C1
CA2125 Heat and Mass Transfer	CN2121 Chemical Engineering Thermodynamics	4		C1
CA3121 Process Dynamics & Control	CN2122A Fluid Mechanics	4		C1
CR31212 Process Dynamics & Control	CN2125 Heat and Mass Transfer	4		C1
CR3312 Separation Processes 4	CN3101 Chemical Engineering Lab	4		C1
C3313 Separation Processes 4 C1 C3325 Process Safety, Health and Environment 3 C1 C34322 Process Modeling & Numerical Simulation 3 C2 C4422 Process Modeling & Numerical Simulation 3 C6 C44122 Process Synthesis and Simulation 4 C6 C47 C47 C47 C47 C47 C47 C57 C57 C57 C57 C57 C57 C57 C57 C57 C5	CN3121 Process Dynamics & Control	4		C1
C3335 Process Safety, Health and Environment C3 3 Counted towards Common Module C4 CA4322 Process Modeling & Numerical Simulation C5 Counted towards Common Module C6 CA4322 Process Synthesis and Simulation C7 Counted towards Common Modules C6 Counted towards Common Modules C7 Counted towards Common Modules C7 Counted towards Common Modules C8 Counted towards Common Modules C8 Counted towards Common Modules C7 Counted towards Common Modules C8 Counted towards Common Modules C9 Counted towards Common M	CN3124A Fluid-Particle Systems	4		C1
CN34212 Process Modeling & Numerical Simulation C1 CN4122 Process Synthesis and Simulation CRE project and internship modules: CACHE pathway requirements and electives: CACHE pathway requirements and electives: CACHE pathway requirement 1	CN3132 Separation Processes	4		C1
CM12 Process Synthesis and Simulation - Counted towards Common Module CA CME project and Internship modules: CM2 Project and Internship modules: CM3 Project and Internship modules: CM3 Project and Internship modules: CM3 Project and Internship modules: CM4 EATH AND	CN3135 Process Safety, Health and Environment	3		C1
GHE project and internship modules: S14122R Final Year Besign Project S153611A Industrial Attachment - Exempted for DDP students - CHE pathway requirements and electives: CHE pathway requirement 1 GL GHE pathway requirement 2 GL GHE pathway requirement 3 GL GHE pathway requirement 2 GL GHE pathway requirement 3 GL GHE pathway requirement 3 GL GHE pathway requirement 4 GL GHE pathway requirement 5 GL GHE pathway requirement 5 GL GHE pathway requirement 6 GL GHE pathway requirement 7 GL GHE pathway requirement 8 GL GL GHE pathway requirement 9 GL GHE pat	CN3421A Process Modeling & Numerical Simulation	3		C1
Statistic Stat	CN4122 Process Synthesis and Simulation	-	Counted towards Common Module	CA
CRE pathway requirements and electives: CRE pathway requirement 1				
CHE pathway requirements and electives:	CHE project and internship modules:			
CHE pathway requirement 2		5	The other 1 MC is counted towards Common Modules	CA
Class	CN4123R Final Year Design Project EG3611A Industrial Attachment			
Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies 4 Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E 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, GE11029 FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules: EC2101 Microeconomic Analysis I 4 C2 EC2102 Macroeconomic Analysis I 5 C2 EC2102 Macroeconomic Analysis II 5 C3101 Microeconomic Analysis II 5 C3101 Microeconomic Analysis II 5 C3101 Microeconomic Analysis II 5 C4 C5 C3303 Econometrics I 6 C6 C7 C6 C8 C6 C8 C7 C8 C8 C8 C9 C8 C9 C9 C9 C9 C9	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives:	-		-
Sub-total for Engineering Programme Requirements (C) PASS Faculty Requirements Level 1000 exposure module - Asian Studies 4 Choose one from the following: CH1101E, L1101E, 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, MS1102E, SE1101E, EN1101E, EN1101E, TS1101E, HY1101E, GET1029 C3 FASS1102 Public Writing and Communication or FASS Faculty Requirements 5 Ub-total for FASS Faculty Requirements (D) Economics Major Requirements EC2101 Microeconomic Analysis I C2 EC3101 Microeconomic Analysis II A C2 EC3102 Macroeconomic Analysis II A C3 EC3303 Econometrics I C3 EC43030 Analysis II A C5 EC53030 Econometrics I A C6 EC6100 Analysis II C7 EC6100 Analysis II C8 EC6100 Analysis II C9 EC610 Analysis II C9 EC7 EC7 EC7 EC7 EC7 EC7 EC7	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1	4		- C1
C FASS Faculty Requirements C C C C C C C C C	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2	4		- C1
Level 1000 exposure module - Asian Studies 4 Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E Level 1000 exposure module - Social Sciences 4 EC1101E Induction 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 or FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements Op) Economics Major Requirements ESENTIAL Modules: EC2101 Microeconomic Analysis I EC2101 Microeconomic Analysis I C2 EC3102 Macroeconomic Analysis II C3 EC3102 Macroeconomic Analysis II C4 C5 EC3102 Macroeconomic Analysis II C5 EC3102 Macroeconomic Analysis II C6 EC3102 Macroeconomic Analysis II C7 EC3102 Macroeconomic Analysis II C7 EC3102 Macroeconomic Analysis II C8 EC elective 1 (Level 2000/3000) C9 EC elective 2 (Level 3000) C9 EC elective 3 (Level 3000) C9 EC elective 4 (Level 3000) C9 EC elective 5 (Level 3000) C9 EC elective 6 (Level 3000) C9 EC elective 7 (Level 3000) C9 EC elective 8 (Level 3000) C9 EC elective 9 (Level 3000) C9 EC elective 1 (Level 2000/3000) C9 EC elective 9 (Level 3000) C9 EC elective 1 (Level 3000) EC	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives	- 4 4 6		C1 C1
Level 1000 exposure module - Asian Studies	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements	- 4 4 6		C1 C1
Level 1000 exposure module - Social Sciences 4 EC1101E Introduction to Economic Analysis C2 Level 1000 exposure module - Humanities 4 HY1101E, GET1029 C2 FAS1102 Public Writing and Communication 0	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements	- 4 4 6	Exempted for DDP students	C1 C1
Level 1000 exposure module - Humanities 4 Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029 C2 FAS1102 Public Writing and Communication or or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements ESSential modules: EC2101 Microeconomic Analysis I	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements	4 4 6 100	Exempted for DDP students Choose one from the following: CH1101E, CL1101E, JS1101E,	C1 C1 C1
Level 1000 exposure module - Humanities 4 HY1101E, GET1029 C2 FAS1102 Public Writing and Communication 0 C2 FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst C3 Sub-total for FASS Faculty Requirements 16 (D) Economics Major Requirements Essential modules: C2 EC2101 Microeconomic Analysis I C2 EC2102 Macroeconomic Analysis I 4 C2 EC2104 Quantitative Methods for Economic Analysis I 4 C2 EC3101 Microeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3303 Econometrics I 4 C2 ELEC3303 Econometrics I 4 C2 ELective modules: C2 ELective 1 (Level 2000/3000) 4 C2 ELective 2 (Level 3000) 4 C2 EC elective 2 (Level 3000) 4 C2 Sub-total for Economics Major Requirements 36 (E) Common Modules EC module 4 Select from list of Common Modules CA Sub-total for Common Modules CA	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies	4 4 6 100	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E	C1 C1 C1 C2
or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst 4 C2 Sub-total for FASS Faculty Requirements 16 (D) Economics Major Requirements Sesential modules: EC2101 Microeconomic Analysis I 4 C2 EC2102 Macroeconomic Analysis I 4 C2 EC2102 Quantitative Methods for Economic Analysis 4 C2 EC3101 Microeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC3303 Econometrics I 4 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 (E) Common Modules CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project CA EC module 4 Select from list of Common Modules CA	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Social Sciences	4 4 6 100	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis	C1 C1 C1 C2 C2 C2
FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules: EC2101 Microeconomic Analysis I	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities	4 4 6 100	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2
Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules: EC2101 Microeconomic Analysis I EC2102 Macroeconomic Analysis I EC2104 Quantitative Methods for Economic Analysis 4 C2 EC2104 Quantitative Methods for Economic Analysis 4 C2 EC3101 Microeconomic Analysis II 4 C2 EC3102 Macroeconomic Analysis II 4 C2 EC4 EC3102 Macroeconomic Analysis II 4 C2 EC elective 2 (Level 3000) 4 C2 EC elective 2 (Level 3000) 4 C2 EC elective 2 (Level 3000) 4 CA EC elective 2 (Level 3000) A CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project CA EC module CA Sub-total for Common Modules EC module 8	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication	4 4 6 100	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2
Color Colo	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or	4 4 6 100	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2
Essential modules:	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst	4 4 6 100 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2
C2 EC2101 Microeconomic Analysis	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements	4 4 6 100 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2
EC2102 Macroeconomic Analysis 4	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements	4 4 6 100 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2
EC2104 Quantitative Methods for Economic Analysis C2	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules:	4 4 6 100 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2 C2 C2
EC3101 Microeconomic Analysis II	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules: EC2101 Microeconomic Analysis I	4 4 6 100 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2 C2 C2 C2 C2 C2
C2	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Bumanities Level 1000 exposure module - Humanities FAS1102 Public Writing and Communication Or 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	4 4 6 100 4 4 4 4 16	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2
C2 Elective modules:	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Bumanities Level 1000 exposure module - Humanities FAS1102 Public Writing and Communication Or 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 EC2104 Quantitative Methods for Economic Analysis	4 4 6 100 4 4 4 4 16	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 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 CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project CA EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8 CA	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Humanities Level 1000 exposure module - Humanities FAS1102 Public Writing and Communication or 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 EC2104 Quantitative Methods for Economic Analysis EC3101 Microeconomic Analysis II	4 4 4 4 4 4 16	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 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 C (E) Common Modules CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project CA EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8 CA	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free electives Sub-total for Engineering Programme Requirements (C) FASS Faculty Requirements Level 1000 exposure module - Asian Studies Level 1000 exposure module - Bocial Sciences Level 1000 exposure module - Humanities FAS1102 Public Writing and Communication or FAS1103 Effective Workplace Communication + CFG1002 Career Catalyst Sub-total for FASS Faculty Requirements (D) Economics Major Requirements Essential modules: EC2101 Microeconomic Analysis I EC2104 Quantitative Methods for Economic Analysis EC3101 Microeconomic Analysis II EC3102 Macroeconomic Analysis II	4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 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 CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project EC module 4 Select from list of Common Modules CA Sub-total for Common Modules	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3303 Econometrics I	4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2
EC elective 2 (Level 3000) 4 C2 Sub-total for Economics Major Requirements (E) Common Modules BEng module 4 CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3101 Microeconomic Analysis II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules:	4 4 6 100 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C1 C2
Sub-total for Economics Major Requirements (E) Common Modules BEng module 4	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 EC2104 Quantitative Methods for Economic Analysis EC3101 Microeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000)	4 4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2
CN4122 Process Synthesis and Simulation CA	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 EC2104 Quantitative Methods for Economic Analysis EC3101 Microeconomic Analysis II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000)	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2
BEng module 4 CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000) EC elective 2 (Level 3000)	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2
EC module 4 and CN4123R Final Year Design Project EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000) Sub-total for Economics Major Requirements	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E,	C1 C1 C1 C2
EC module 4 Select from list of Common Modules CA Sub-total for Common Modules 8	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000) Sub-total for Economics Major Requirements	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029	C1 C1 C1 C2
Sub-total for Common Modules 8	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3101 Microeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000) Sub-total for Economics Major Requirements (E) Common Modules	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029 CN4122 Process Synthesis and Simulation	C1 C1 C1 C2
	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000) Sub-total for Economics Major Requirements (E) Common Modules BEng module	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Exempted for DDP students Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029 CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project	C1 C1 C1 C1 C2
	CN4123R Final Year Design Project EG3611A Industrial Attachment CHE pathway requirements and electives: CHE pathway requirement 1 CHE pathway requirement 2 Free 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 - Humanities FAS1102 Public Writing and Communication or 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 II EC3102 Macroeconomic Analysis II EC3102 Macroeconomic Analysis II EC3303 Econometrics I Elective modules: EC elective 1 (Level 2000/3000) EC elective 2 (Level 3000) Sub-total for Economics Major Requirements (E) Common Modules BEng module EC module	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Exempted for DDP students Choose one from the following: CH1101E, CL1101E, JS1101E, MS1102E, SE1101E, SN1101E EC1101E Introduction to Economic Analysis Choose one from the following: EL1101E, EN1101E, TS1101E, HY1101E, GET1029 CN4122 Process Synthesis and Simulation and CN4123R Final Year Design Project	C1 C1 C1 C2