CEECON 2025-26 Intake

School:		School of Engineering and School of Business Management											Stud	dent's Pat	nway
Program:		Dual Degree Program (BEng in Chemical Engineering and BBA in Econom	ics)												
. rograni.	Ţ	Source Frogram (Stary III Oneillical Engineering and DDA III Econom	100)	1					1	1	1	1	1		
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Remarks
BEng in Che	emical Engin	eering	ı						ı		1		ı		
Engineering Fu	ındamental Cou	irses													
		Note: COMP 1022P OR COMP 1023 OR COMP 2011 OR COMP 2012H	3-5												
COMP COMP	1022P 1023	Introduction to Computing with Java Introduction to Python Programming	3		3									3	Students should take COMP 1022P, COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	2011	Programming with C++	4												ISOM 2010 and to waive ISOM 2020
COMP	2012H 1012	Honors Object-Oriented Programming and Data Structures  General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3	3										3	
ОПЕМ	1012	Note: MATH 1013 OR MATH 1020 OR MATH 1023	3-4	,						1				,	
MATH	1013	Calculus I	4	3										3	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
MATH	1020	Accelerated Calculus	3	3										ď	BBA degrees
MATH	1023	Honors Calculus I	4	-						<b>.</b>		1			
		Note: PHYS 1112 OR PHYS 1312	3		3									3	
PHYS PHYS	1112 1312	General Physics I with Calculus Honors General Physics I	3		3									ď	
	<u> </u>	Required Credits for Engineering Fundamental Courses	13-19	6	6	0	0	0	0	0	0	0	0	12	
Major Required	d Courses and E	· · · · · · · · · · · · · · · · · · ·		11								-			
CENG	1000	Foundations of Chemical and Biological Engineering	3	3										3	NOTE: Those entering the department in Year 2 will takethis cousre in Year 2 Fall.
CENG	1010	Academic and Professional Development I	0	0										0	
CENG	1110	Introduction to Chemical Engineering	3		3									3	NOTE: Those entering the department in Year 2 will takethis cousre in Year 2 Fall.
CENG CENG	1500 2210	A First Course on Materials Science and Applications  Chemical and Biological Engineering Thermodynamics	3	1	-	3	3							3	
	2220	Transport Phenomena I	3	L				3					L	3	
CENG	2310	Modeling for Chemical and Biological Engineering	3			3								3	
	2320 3110	Modeling for Chemical and Biological Engineering II  Process Dynamics and Control	3	1		-	3		3	<del>                                     </del>		<b>!</b>		3	
CENG	3150	Integrated Chemical Process & Product Design	5						5					5	
CENG	3210	Separation Processes	3					3						3	
CENG CENG	3220 3230	Transport Phenomena II Chemical and Biological Reaction Engineering	3	1				3	3	-		-		3	
CENG	3300	Data Science for Molecular Engineering	3					3						3	
CENG	3950	Chemical and Environment Engineering Laboratory	4						4					4	
CENG	4020	Academic and Professional Development II	6	-					0			1		0	
		Note: CENG 4920 OR CENG 4930 OR CENG 4940 (Students taking the Research Option must take CENG 4930)	6												
CENG	4920	Chemical Engineering Capstone Design	6									3	3	6	
CENG CENG	4930 4940	Chemical Engineering Thesis Research Chemical Engineering Industrial Project	6												
CENG	4840	Note: BIEN2410 OR BIEN2610 OR LIFS1901	3	1											
BIEN	2410	Cellular and Systems Physiology for Engineers	3			3								3	
BIEN	2610	Chemical Biology for Engineers	3			3								,	
LIFS	1901 1052	General Biology I Laboratory for General Chemistry B	3	<b>-</b>	1					<u> </u>		1		1	
CHEM	2111	Fundamentals of Organic Chemistry	3		·	3								3	CHEM 2111 offered in Fall
CHEM CENG/BIEN/COMP/	2155	Fundamental Organic Chemistry Laboratory	1			1								1	
ENEG/CHEM		CENG Elective (Courses from the specified list)	12	<u>.</u>						3	3	3	3	12	
		BEng in Chemical Engineering Major Requirements	71	3	4	13	6	12	15	3	3	6	6	71	
	nomice														
BBA in Ecor															
School Require	ements	Drinchler of Accounting I	3		1	2	I			<b>I</b>				2	
School Require		Principles of Accounting I Principles of Accounting II	3			3			3					3	
School Require	ements 2010					3			3						
School Require	2010 2200 2103	Principles of Accounting II	3		3	3			3						
School Require	2010 2200	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics  Microeconomics	3		3	3			3					3	ECON 2103 / 2113 / 2123 is a major pre-requisite
School Require	2010 2200 2103	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics	3 3 3		3	3			3					3	ECON 2103 / 2113 / 2123 is a major pre-requisite
School Require ACCT ACCT ECON ECON ECON	2010 2200 2103 2113 2123	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics	3 3 3 3 3 3 3		3	3		3	3					3	ECON 2103 / 2113 / 2123 is a major pre-requisite
School Require ACCT ACCT ECON ECON ECON	2010 2200 2103 2113 2123 3123	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I	3 3 3 3 3 3 3 3 3		3	3	3	3	3					3	ECON 2103 / 2113 / 2123 is a major pre-requisite
School Require ACCT ACCT ECON ECON ECON FINA	2010 2200 2103 2113 2123 3123 2303	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics  Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics  Macroeconomic Theory I  Financial Management	3 3 3 3 3 3 3 3 3		3	3	3	3	3					3 3 3	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as
School Require ACCT ACCT ECON ECON ECON FINA ISOM	2010 2200 2103 2113 2123 3123 2303 2010	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I	3 3 3 3 3 3 3 3 3		3	3	3	3	3		-			3 3 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010.
School Require ACCT ACCT ECON ECON ECON FINA ISOM	2010 2200 2103 2113 2123 3123 2303 2010	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics  Macroeconomic Theory I  Financial Management  Introduction to Information Systems  Coding for Business	3 3 3 3 3 3 3 3 3	-	3	-		3	-		-		-	3 3 3 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON FINA ISOM ISOM	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business  Business Statistics	3 3 3 3 3 3 3 3 3	-	-		-	-	-	-	-			3 3 3 0 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010.  ISOM 2020 Is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H.
School Require ACCT ACCT ECON ECON ECON FINA ISOM ISOM ISOM	2010 2200 2103 2113 2123 3123 2303 2010	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics  Macroeconomic Theory I  Financial Management  Introduction to Information Systems  Coding for Business	3 3 3 3 3 3 3 3 3	-	-	-	-	-	-		-			3 3 3 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON FINA ISOM ISOM ISOM ISOM MARK	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management  Introduction to Information Systems  Coding for Business  Business Statistics Introduction to Business Analytics Operations Management  Marketing Management  Marketing Management	3 3 3 3 3 3 3 3 3 1 1 3 3 3	-	-	-	-	-	-		-			3 3 3 0 0 1 3 3 3 3	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON ECON ECON ECON ECON ECON	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120 2010	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management  Marketing Management  Marketing Management  Business Ethics and the Individual	3 3 3 3 3 3 3 3 3 1 1 3 1 3 3 2 2	-	-	-	-	-	-	-	-	3		3 3 3 0 0 0 1 3 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON FINA ISOM ISOM ISOM ISOM MARK MGMT MGMT	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management  Introduction to Information Systems  Coding for Business  Business Statistics Introduction to Business Analytics Operations Management  Marketing Management  Marketing Management	3 3 3 3 3 3 3 3 3 1 1 3 3 3	-	-	-	-	-	-	-	3			3 3 3 0 0 1 3 3 3 3	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON FINA ISOM ISOM ISOM MARK MGMT MGMT	2103 22103 2213 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120 2010 2110	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business  Business Statistics Introduction to Business Analytics Operations Management Marketing Management Marketing Management Business Ethics and the Individual Organizational Behavior	3 3 3 3 3 3 3 3 3 1 1 3 1 3 3 2 2 3 3	-	-	-	-	-	-	-	-		-	3 3 3 0 0 1 3 3 2 3	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON ECON FINA ISOM ISOM ISOM ISOM ISOM MARK MGMT MGMT MGMT	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120 2010 2130	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Marketing Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility	3 3 3 3 3 3 3 3 3 1 1 3 1 3 2 2 3 2	-	-		-	-			-		-	3 3 3 0 0 0 1 3 3 2 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
School Require ACCT ACCT ECON ECON ECON FINA ISOM ISOM ISOM ISOM ISOM ISOM ISOM ISOM	2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2110 2130	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management  Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB	3 3 3 3 3 3 3 3 3 1 1 3 1 3 2 3 3 2 3 3		-		-	-		-	-		-	3 3 3 0 0 1 3 3 2 3	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010.  ISOM 2020 is walved for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H.  These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.  Substituted by CIVL 2160
School Require ACCT ACCT ECON ECON ECON ECON FINA ISOM ISOM ISOM ISOM ISOM MARK MGMT MGMT MGMT	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120 2010 2130	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics  Note: ECON 2123 OR ECON 3123  Macroeconomics  Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility  Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra	3 3 3 3 3 3 3 3 3 1 1 3 1 3 2 3 3 2 3 3 3 3	-	-		-	-			-		-	3 3 3 0 0 0 1 3 3 2 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Require ACCT ACCT ECON ECON ECON ECON FINA ISOM ISOM ISOM ISOM MARK MGMT MGMT MGMT MGMT MATH MATH MATH MATH MATH MATH	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2130 1003 1013 1023	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility  Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required Credits for School Requirements	3 3 3 3 3 3 3 3 3 3 3 1 1 3 3 2 2 3 3 2 2 3 3 3 3	-	-		-	-			-		-	3 3 3 0 0 0 1 3 3 2 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Require ACCT ACCT ECON ECON ECON ECON ECON ECON ECON ECON	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2110 2130 1003 1013 1020 1023 d Courses and E	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility  Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I Required Credits for School Requirements  Incettives	3 3 3 3 3 3 3 3 3 3 1 1 3 3 2 2 3 3 2 3 3 3 3	(3)	-			- 1	-		3	2	2	3 3 3 0 0 0 1 1 3 3 2 2 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Require ACCT ACCT ECON ECON ECON ECON FINA ISOM ISOM ISOM ISOM ISOM ISOM ISOM ISOM	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2130 1003 1013 1020 1023 3 Courses and E	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility  Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required Credits for School Requirements  Electives  Managerial Microeconomics	3 3 3 3 3 3 3 3 3 3 1 1 3 3 2 2 3 3 2 2 3 3 4 3 3 4 4 4 3 4 4 4 4	(3)	-			- 1			3	2	2	3 3 3 0 0 0 0 1 1 3 3 2 2 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Require ACCT ACCT ECON ECON ECON ECON FINA ISOM ISOM ISOM ISOM ISOM ISOM ISOM ISOM	2103 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2112 2110 2130 1003 1013 1023 102	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility  Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required Credits for School Requirements  Electives  Managerial Microeconomics  Managerial Microeconomics	3 3 3 3 3 3 3 3 3 3 1 1 3 3 1 1 3 3 2 3 3 2 3 3 2 3 3 3 3	(3)	-			- 1	-	0	3	2	2	3 3 3 0 0 0 0 1 1 3 3 2 2 3 2	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Require ACCT ACCT ECON ECON ECON ECON FINA ISOM ISOM ISOM ISOM MARK MGMT MGMT MGMT MGMT MATH MATH MATH MATH MATH MATH MATH MA	2010 2200 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2130 1003 1013 1020 1023 3 Courses and E	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required Credits for School Requirements  Iectives  Managerial Microeconomics Introduction to Econometrics	3 3 3 3 3 3 3 3 3 3 1 1 3 1 3 1 3 2 3 4 3 3 4 4 4 4 4	(3)	-			- 1			3	2	2	3 3 3 0 0 0 1 1 3 3 2 2 3 2 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Required ACCT ACCT ECON ECON ECON ECON ISOM ISOM ISOM ISOM ISOM ISOM ISOM ISOM	2103 22103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2110 2130 1003 1013 1020 1023 21 Courses and E 3014 3024 3334	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomics Macroeconomics Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required Credits for School Requirements  ECCTIVES  Managerial Microeconomics Introduction to Econometrics ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	3 3 3 3 3 3 3 3 3 3 3 3 1 1 3 3 3 2 2 3-4 3 3 4 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4	(3)	-			- 1		0	3	5	2	3 3 3 0 0 0 1 3 3 2 2 3 2 2 0 4 4 4 4	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
School Required ACCT ACCT ACCT ECON ECON ECON ECON ECON ISOM ISOM ISOM ISOM ISOM ISOM ISOM ISOM	2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2120 2110 2110 2110 2130  1003 1013 1020 1023  C Courses and E 3014 3024 3334	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Macroeconomics Macroeconomics Macroeconomics Macroeconomic Theory I  Financial Management Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required Credits for School Requirements  Electives  Managerial Microeconomics Introduction to Econometrics ECON 4000-level Electives (Any 3 courses of the subject and level as specified)  Required Credits for Major Required Courses and Electives	3 3 3 3 3 3 3 3 3 3 3 3 1 1 3 3 3 2 2 3-4 3 3 4 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4	(3)		3	3	- 1		0	3 3	5	2	3 3 3 0 0 0 1 1 3 3 2 2 3 2 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and
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School Required ACCT ACCT  ECON ECON ECON ECON ECON ECON ECON ECON	2103 2103 2113 2123 3123 2303 2010 2020 2500 2600 2700 2110 2110 2130 1003 1013 1020 1023 2 Courses and E 3014 3024 3334  Requirement for Dual Degree 1011 1012 1013 1014 1015 3950 4950  mmon Core Re C3 - C9 C1 & C2	Principles of Accounting II  Note: ECON 2103 OR ECON 2113  Principles of Microeconomics Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123  Macroeconomics Business Business Business Statistics Introduction to Information Systems  Coding for Business Business Statistics Introduction to Business Analytics Operations Management Marketing Management Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023  Calculus and Linear Algebra Calculus and Linear Algebra Calculus IB Required Credits for School Requirements  Introduction to Econometrics ECON 4000-level Electives (Any 3 courses of the subject and level as specified)  Required Credits for Major Required Courses and Electives  for Dual Degree  Program  T&M Professional Activities II  T&M Professional Activities II  T&M Professional Activities IV  T&M Professio	3 3 3 3 3 3 3 3 3 3 3 3 1 1 3 3 1 1 3 3 2 3 3 4 3 3 4 3 4 3 4 3 4 4 1 1 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0		1 1 1 4 4 4 4 0 0 0 0 0		0 0 4 4 4 3 3 3 3	3 3 4 4 4 0 0 0 0 0 6 6	5 4 4 4 0 0 0 0 3 3	2 2 3 3 3 3	3 3 3 0 0 0 0 1 1 3 3 2 2 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010. ISOM 2020 is walved for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. These two COMP courses are similar or more advanced coding (Pvthon) courses as ISOM 2020. Substituted by CIVL 2160  DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
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\*\*Remarks on course(s):

<sup>&</sup>gt;> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.