

			<< Selection of BEng major			<< Selection of BBA major												
School:			School of Engineering and School of Business Management			Student's Pathway												
Program:			Dual Degree Program (BEng in Electronic Engineering and BBA in Finance)															
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 Electronic Engineering																		
Engineering Fundamental Courses																		
ELEC	2600	Note: ELEC 2600 OR MATH 2011 OR MATH 2111 OR MATH 2350 OR MATH 2351 (3 courses out of 5)	9-10															
MATH	2011	Probability and Random Processes in Engineering	4											9				
MATH	2111	Introduction to Multivariate Calculus	3															
MATH	2350	Matrix Algebra and Applications	3															
MATH	2351	Applied Linear Algebra and Differential Equations	3															
COMP	1023	Introduction to Python Programming	3		3									3	Students should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020			
		Note: COMP0111 OR COMP0124	4.5															
COMP	2011	Programming with C++	4				4							4				
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5															
		Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4.6															
MATH	1013	Calculus I	3															
MATH	1014	Calculus II	3		3	3								6	CDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees			
MATH	1020	Accelerated Calculus	4															
MATH	1023	Honors Calculus I	3															
MATH	1024	Honors Calculus II	3															
		Note: PHYS1112 OR PHYS1312	3															
PHYS	1112	General Physics I with Calculus	3		3									3				
PHYS	1312	Honors General Physics I	3															
		Note: PHYS1114 OR PHYS1314	3															
PHYS	1114	General Physics II	3		3									3				
PHYS	1314	Honors General Physics II	3															
Required Credits for Engineering Fundamental Courses			26-30	6	9	7	3	3	0	0	0	0	0	28				
Major Required Courses and Electives																		
ELEC	1100	Introduction to Electro-Robot Design	4	4										4				
ELEC	1200	A System View of Communications: from Signals to Packets	4		4									4				
ELEC	1910	Academic and Professional Development I	0	0	0									0				
ELEC	2100	Signals and Systems	4					4						4				
ELEC	2300	Introduction to Computer Organization and Design	4				4							4				
ELEC	2400	Electronic Circuits	4				4							4				
ELEC	2910	Academic and Professional Development II	0				0	0						0				
ELEC	2991	Industrial Experience (Electronic Engineering)	0					0	0	0				0	Students should complete safety training and internship/industrial training to get pass of ELEC 2991			
ELEC	3910	Academic and Professional Development III	0					0	0					0				
		Note: [ELEC 4900 OR ELEC 4901] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901)	6															
ELEC	4900	Final Year Design Project	6									3*	3	6	3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall			
ELEC	4901	Final Year Thesis	6															
ELEC	4910	Co-op Program	6															
		ELEC 3000-level or above Electives (Courses of the subject and level as specified, out of which at least 2 courses must be at 4000-level. ELEC 4940 cannot be used to count towards this elective requirement)	21						11	3	3	4		21				
BEng in Electronic Engineering Major Requirements			47	4	4	4	4	4	11	3	3	7	3	47				
BBA in Finance																		
School Requirements																		
ACCT	2010	Principles of Accounting I	3	3										3				
ACCT	2200	Principles of Accounting II	3							3				3				
		Note: ECON 2103 OR ECON 2113	3															
ECON	2103	Principles of Microeconomics	3				3							3				
ECON	2113	Principles of Macroeconomics	3															
		Note: ECON 3123 OR ECON 3123	3															
ECON	3123	Macroeconomics	3															
ECON	3123	Macroeconomic Theory I	3															
FINA	2303	Financial Management	3				3							3	FINA 2303 is a major pre-requisite			
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP1023 is more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 instead of ISOM 2010.			
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for CDP students who have taken and passed COMP 1023. The COMP course is similar or more advanced coding Python course as ISOM 2020.			
ISOM	2500	Business Statistics	3				3							3				
ISOM	2600	Introduction to Business Analytics	1							1				1				
ISOM	2700	Operations Management	3								3			3				
MARK	2120	Marketing Management	3				3							3				
MGMT	2010	Business Ethics and the Individual	2							2				2				
MGMT	2110	Organizational Behavior	3				3							3				
MGMT	2130	Business Ethics and Social Responsibility	2									2		2				
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3.4															
MATH	1003	Calculus and Linear Algebra	3															
MATH	1013	Calculus I	3															
MATH	1020	Accelerated Calculus	4															
MATH	1023	Honors Calculus I	3												CDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees			
Required Credits for School Requirements			30-40	3	6	9	6	3	0	6	3	0	2	32				
Major Required Courses and Electives																		
FINA	3001	Key Skills for Finance Professionals (A)	1					1						1				
FINA	3103	Intermediate Investments	3					3						3				
FINA	3203	Derivative Securities	3						3					3				
FINA	3303	Intermediate Corporate Finance	3							3				3				
FINA	3810	Bloomberg Market Concepts Certification	0					0						0				
		Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3.6															
ACCT	3010	Financial Accounting I	3							3				3				
ACCT	3020	Financial Accounting II	3															
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3															
		Note: ISOM 3230 OR ISOM 3400	3															
ISOM	3230	Business Programming in VBA	3						3					3	If CDP students took COMP 1023 in BEng requirement, they are required to enroll ISOM 3230			
ISOM	3400	Business Applications Development in Python	3															
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9								3	3	3	9				
Required Credits for Major Required Courses and Electives			25-28	0	0	0	0	4	6	6	3	3	3	25				
Additional Requirement for Dual Degree																		
Requirements for Dual Degree Program																		
TEMG	1011	T&M Professional Activities I	0	0	0									0				
TEMG	1012	T&M Professional Activities II	0			0	0							0				
TEMG	1013	T&M Professional Activities III	0					0	0					0				
TEMG	1014	T&M Professional Activities IV	0							0	0			0	To graduate, students should complete ALL requirements as specified for CDP.			
TEMG	1015	T&M Professional Activities V	0									0	0	0				
TEMG	2950	T&M Case Analysis and Product Innovation	3		3									3				
TEMG	4900	T&M Corporate Consulting Project	3-3							4				4				
Required Credits for Additional Requirements			7	0	3	0	0	0	0	0	4	0	0	7				
University Common Core Requirements																		
CORE	C1 - C9	U CORE - Others	21				3			3	3	6	6	21				
CORE	C1 & C2	U CORE - English Language	6	3	3									6				
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2													
Sub-total for University CORE			30	4	5	0	3	0	0	3	3	6	6	30				
Term Load (from Fall courses)																		
169###																		
169																		