

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway										Remarks	
Program:		Dual Degree Program (BEng in Electronic Engineering and BBA in Finance)			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
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits													
BEng in Electronic Engineering																
Major Requirements																
Engineering Fundamental Courses																
ELEC	2600	Note: ELEC2600 OR ELEC2600H) OR MATH2011 OR MATH2111 OR MATH2350 OR MATH 2351 (3 courses out of 6)	4													
ELEC	2600H	Probability and Random Processes in Engineering	4													
MATH	2011	Honors Probability and Random Processes in Engineering	3	3		3		3							9	
MATH	2111	Introduction to Multivariable Calculus	3													
MATH	2350	Matrix Algebra and Applications	3													
MATH	2351	Applied Linear Algebra and Differential Equations	3													
MATH	2351	Introduction to Differential Equations	3													
COMP	1021	Note: COMP1021 OR COMP1022P	3		3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1022P	Introduction to Computer Science	3													
COMP	2011	Note: COMP 2011 OR COMP 2012H	4-5												4	
COMP	2012H	Programming with C++	4			4										
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7													
MATH	1013	Calculus IA	4													
MATH	1014	Calculus IB	3	3	3										6	
MATH	1020	Calculus II	3													
MATH	1023	Accelerated Calculus	4													
MATH	1024	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
PHYS	1112	Note: PHYS1112 OR PHYS1312	3	3											3	
PHYS	1312	General Physics I with Calculus	3													
PHYS	1114	Note: PHYS1114 OR PHYS1314	3		3										3	
PHYS	1314	General Physics II	3													
PHYS	1314	Honors General Physics II	3													
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4		(3)										0	
Required credits for Engineering Fundamental Courses			29-35												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	2100	Note: ELEC2100 OR ELEC2100H	4							4					4	
ELEC	2100H	Signals and Systems	4													
ELEC	2350	Introduction to Computer Organization and Design	4							4					4	
ELEC	2400	Electronic Circuits	4							4					4	
ELEC	2910	Academic and Professional Development I	0			0	0								0	
ELEC	3910	Academic and Professional Development II	0					0	0						0	
ELEC	4900	Note: [ELEC 2991 AND (ELEC 4900 OR ELEC 4901)] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901)	6													
ELEC	4901	Final Year Design Project	6										3	3	6	
ELEC	2991	Final Year Thesis	6													
ELEC	4910	Industrial Experience (Electronic Engineering)	0													
ELEC	4910	Co-op Program	6													
ENGG	2010	Engineering Seminar Series	0			0	0	0	0						0	
ELEC		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				3			3			6	3	6	21
Required credits for Major Requirements Courses and Electives			47												47	
BBA in Finance																
School Requirements																
ACCT	2010	Principles of Accounting I	3	3											3	
ACCT	2200	Principles of Accounting II	3							3					3	
ECON	2103	Note: ECON2103 OR ECON2113	3		3										3	
ECON	2113	Principles of Microeconomics	3													
ECON	2123	Note: ECON2123 OR ECON3123	3						3						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	Substituted by COMP 1021/ 1022P/ 2011/ 2012H
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students if they have taken and passed COMP 1021 or COMP 1023P
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	2	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4													
MATH	1013	Calculus IB	3	(3)											0	DDP students should take MATH 1012 or 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													
Required credits for School Requirements			39-40												32	
Major Requirements																
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	
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6													
ACCT	3020	Financial Accounting I	3							3					3	
ACCT	3030	Financial Accounting II	3													
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3													
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3							3					3	If DDP students took COMP 1021 in BEng requirement, they are required to enroll ISOM 3230.
ISOM	3400	Business Programming in VBA	3													
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												25	
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	T&M Case Analysis and Product Innovation	3		3										3	
TEMG	4950	T&M Corporate Consulting Project	3-5							4					4	
Required credits for Additional Requirements			7												7	
University CORE																
CORE	C3 - C9	U CORE - Others	21			3	3	6				6		3	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										3	
Sub-total for University CORE			30												30	
Term load (excl. free credits)																
16 20 17 19 16 20 17 18 9 17																
169##																
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Notes:																
() indicates the reuse of the same course to fulfill more than one requirement.																
--- denotes the course/requirement is either waived or substituted																
# To graduate, students should complete all requirements as specified for DDP.																
**Remarks on course(s):																