

School:			School of Engineering and School of Business Management		<< Declaration of BEng major												<< Declaration of BBA major		Student's Pathway	
Program:			Dual Degree Program (BEng in Electronic Engineering and BBA in Marketing)																	
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 MATH MATH MATH MATH	2800 2011 2111 2350 2351	Note: ELEC 2800 OR MATH 2011 OR MATH 2111 OR MATH 2350 OR MATH 2351 (3 courses out of 5) Probability and Random Processes in Engineering Introduction to Multivariable Calculus Matrix Algebra and Applications Applied Linear Algebra and Differential Equations Introduction to Differential Equations	9-10				3	3		3				9						
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					
COMP COMP	2011 2012H	Note: COMP2011 OR COMP2012H Programming with C++ Honors Object-Oriented Programming and Data Structures	4-5				4							4						
MATH MATH MATH MATH MATH	1013 1014 1020 1023 1024	Note: [MATH 1013 OR MATH 1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1023] Calculus I Calculus II Accelerated Calculus Honors Calculus I Honors Calculus II	4-6		3	3								6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees					
PHYS PHYS	1112 1312	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus Honors General Physics I	3		3									3						
PHYS	1114 1314	Note: PHYS1114 OR PHYS1314 General Physics II Honors General Physics II	3		3									3						
Required Credits for Engineering Fundamental Courses				26-30	6	6	6	7	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									4						
ELEC	1910	Academic and Professional Development I	0	0	0									0						
ELEC	2100	Signals and Systems	4					4						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 II	0			0	0							0						
ELEC	2991	Industrial Experience (Electronic Engineering)	0			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						
ELEC	4900	Note: [ELEC 4900 OR ELEC 4901] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901)	6											6						
ELEC	4901	Final Year Design Project	6									3*	3	6	3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall.					
ELEC	4910	Final Year Thesis	6											6						
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					11	3	3	3	4		21						
BEng in Electronic Engineering Major Requirements				47	4	4	0	4	8	11	3	3	7	3	47					
BBA in Marketing																				
School Requirements																				
ACCT	2010	Principles of Accounting I	3	3										3						
ACCT	2200	Principles of Accounting II	3						3					3						
ECON	2103	Note: ECON 2103 OR ECON 2113	3											3						
ECON	2113	Principles of Microeconomics	3		3									3						
ECON	2123	Note: ECON 2123 OR ECON 3123	3											3						
ECON	3123	Macroeconomics	3					3						3						
FINA	2303	Macroeconomic Theory I	3											3						
ISOM	2010	Financial Management	3			3								3						
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023 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 DDP students who have taken and passed COMP 1023. The COMP course is similar or more advanced coding (Python) courses 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	MARK 2120 is a major pre-requisite					
MGMT	2010	Business Ethics and the Individual	2						2					2						
MGMT	2110	Organizational Behavior	3				3							3						
MGMT	2120	Business Ethics and Social Responsibility	2										2	2						
MATH	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4											3						
MATH	1013	Calculus and Linear Algebra	3											0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees					
MATH	1013	Calculus I	3		(3)									3						
MATH	1020	Accelerated Calculus	4											4						
MATH	1023	Honors Calculus I	3											3						
Required Credits for School Requirements				39-40	3	3	6	6	3	3	3	3	0	2	32					
Major Required Courses and Electives																				
MARK	3220	Marketing Research	4					4						4						
MARK	3420	Consumer Behavior	4						4					4						
MARK	4210	Strategic Marketing	4							4				4						
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12							4	4	4	4	12						
Required Credits for Major Required Courses and Electives				24	0	0	0	0	0	4	4	4	4	4	24					
Additional Requirements for Dual Degree																				
Requirements for Dual Degree Program																				
TEMG	1011	T&M Professional Activities I	0	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 DDP.					
TEMG	1015	T&M Professional Activities V	0									0	0	0						
TEMG	3950	T&M Case Analysis and Product Innovation	3		3									3						
TEMG	4950	T&M Corporate Consulting Project	3-6			4								4						
Required Credits for Additional Requirements				7	0	3	4	0	0	0	0	0	0	0	7					
University Common Core Requirement																				
CORE	C3 - C9	U CORE - Others	21							6	6	3	6	21						
CORE	C1 & C2	U CORE - English Language	6	3	3									6						
HMAW	1909	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3						
Sub-total for University CORE				30	4	5	0	0	0	6	6	3	6	30						
Term load (excl. free credits)																				
														17	21	16	17			
														18	18	16	16			
														16	16	14	15			
														168##						
														168						

Notes:
() Indicates the reuse of the same course to fulfill more than one requirement.
* Courses offered in winter term.
^ Courses offered in summer term
--- denotes the course requirement is either waived or substituted
To graduate, students should complete all requirements as specified for DDP.

Remarks on course(s):

>> 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.