

<< Declaration of BEng major << Declaration 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 Management)															
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																	
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)	9-10														
ELEC	2600H	Probability and Random Processes in Engineering	4														
MATH	2011	Honors Probability and Random Processes in Engineering	4	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														
COMP	2012H	Programming with C++	4			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														
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														
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										3	3	6		
ELEC	4901	Final Year Design Project	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 Management																	
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														
FINA	2303	Macroeconomic Theory I	3														
FINA	2303	Financial Management	3			3								3			
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 1029P		
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 2110 is a major pre-requisite		
MGMT	2130	Business Ethics and Social Responsibility	2										2	2			
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4		(3)												
MATH	1012	Calculus and Linear Algebra	3														
MATH	1013	Calculus IA	4														
MATH	1013	Calculus IB	3														
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																	
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4					4						4	Students in the Consulting Option must take MGMT 3120		
MGMT	3120	Human Resources Management	4														
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4						4					4	Students in the Consulting Option must take MGMT 3140		
MGMT	3140	Judgement and Decision Making in Organizations	4														
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4							3				3	Students in the Consulting Option must take MGMT 4210		
MGMT	4220	Corporate Strategy	3														
MGMT	4220	Entrepreneurship and Innovation	4														
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9								3	3	3	9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement		
Required credits for Major Required Courses and Electives			20-21											20			
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		3	3			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	18	17	15	9	17				
164##																	
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):																	

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() 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):

>> 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.