

<< 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 General Business Management)		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		Subtotal	
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)		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												
COMP	1022P	Introduction to Computer Science		3		3								3		
COMP	2011	Introduction to Computing with Java		3												
COMP	2012H	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												
PHYS	1312	General Physics I with Calculus		3	3									3		
PHYS	1312	Honors General Physics I		3												
PHYS	1114	Note: PHYS1114 OR PHYS1314		3												
PHYS	1314	General Physics II		3		3								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	Honors 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 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	4810	Industrial Experience (Electronic Engineering)		0												
ELEC	4810	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		
Required credits for Major Requirements Courses and Electives				47										47		
BBA in General Business 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	2113	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		
ISOM	2010	Introduction to Information Systems		3	-	-	-	-	-	-	-	-	-	0		
ISOM	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	0		
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		
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	(3)									0		
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																
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)		29						3	4	4	6	6	6	29
Required credits for Major Required Courses and Electives				29										29		
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		
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	9		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	18	18	18	18	12	17			
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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):