

<< 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 Marketing)			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	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits											
<b>BEng in Electronic Engineering</b>															
<b>Major Requirements</b>															
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											
COMP	1022P	Introduction to Computer Science		3		3									3
COMP	2011	Note: COMP 2011 OR COMP 2012H		4-5											
COMP	2012H	Introduction to Computing with Java		4			4								4
COMP	2012H	Programming with C++		5											
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5											
LANG	2030	Technical Communication I		3	-	-	-	-	-	-	-	-	-	-	0
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										6
MATH	1020	Accelerated Calculus		3											
MATH	1023	Honors Calculus I		4											
MATH	1024	Honors Calculus II		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
<b>Required credits for Engineering Fundamental Courses</b>				32-38											28
<b>Major Required Courses and Electives</b>															
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											
ELEC	2100H	Signals and Systems		4							4				4
ELEC	2100H	Honors 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	4901	Final Year Thesis		6											
ELEC	2991	Industrial Experience (Electronic Engineering)		0											
ELEC	4910	Co-op Program		6											
ENGG	2010	Engineering Seminar Series		0			0	0	0	0					0
LANG	4031	Technical Communication II for ECE & CPEG		3								3			3
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
<b>Required credits for Major Requirements Courses and Electives</b>				50											50
<b>BBA in Marketing</b>															
<b>School Requirements</b>															
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
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
LABU	2040	Business Case Analyses		3	-	-	-	-	-	-	-	-	-	-	0
LABU	2060	Effective Communication in Business		3					3						3
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	(3)										
MATH	1013	Calculus IA		4											
MATH	1013	Calculus IB		3											
MATH	1020	Accelerated Calculus		4											
MATH	1023	Honors Calculus I		3											
<b>Required credits for School Requirements</b>				43-44											35
<b>Major Requirements</b>															
<b>Major Required Courses and Electives</b>															
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			12
<b>Required credits for Major Required Courses and Electives</b>				24											24
<b>Additional Requirements</b>															
<b>Requirements for Dual Degree Program</b>															
<b>Required Courses</b>															
TEMG	1010	T&M Professional Activities		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
<b>Required credits for Additional Requirements</b>				7											7
<b>University CORE</b>															
CORE	C3 - C9	U CORE - Others		21			3			6	6	3	3		21
CORE	C1 & C2	U CORE - English Language		6	3	3									6
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	0	3									3
<b>Sub-total for University CORE</b>				30											30
Term load (excl. free credits)															
					15	18	17	19	19	20	18	16	16	16	
<b>174##</b>															

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):

>> 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.