

<< 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		Sub-total
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)		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	2350	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										
COMP	2011	Note: COMP 2011 OR COMP 2012H		4-5												
COMP	2012H	Introduction to Computing with Java		3												
COMP	2011	Programming with C++		4			4									
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	1012	Calculus IA		4												
MATH	1013	Calculus IB		3	3	3										6
MATH	1014	Calculus II		3												
MATH	1020	Accelerated Calculus		4												
MATH	1023	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												
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							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												
ELEC	4901	Final Year Thesis		6												
ELEC	2991	Industrial Experience (Electronic Engineering)		0									3	3		6
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												
ECON	2113	Principles of Microeconomics		3		3										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
ISOM	2600	Introduction to Business Analytics		1												1
ISOM	2700	Operations Management		3												3
MARK	2120	Marketing Management		3												3
MGMT	2010	Business Ethics and the Individual		2												2
MGMT	2110	Organizational Behavior		3												3
MGMT	2130	Business Ethics and Social Responsibility		2												2
LANG	2061	Note: LANG 2061 OR 2062 OR 3060		3												
LANG	2062	Professional Writing for the Workplace		3												
LANG	3060	Professional Speaking for the Workplace		3												
LANG	3060	Advanced Academic Writing		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>																
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	12
<b>Required credits for Major Required Courses and Electives</b>				24												24
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
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
<b>Required credits for Additional Requirements</b>				7												7
<b>University CORE</b>																
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
<b>Sub-total for University CORE</b>				30												30
Term load (excl. free credits)																
16 20 17 19 19 18 18 16 16 15																
174##																
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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):

>> 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.