

<< 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 Computer 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													
BEng in Computer Engineering																	
Major Requirements																	
Engineering Fundamental Courses																	
COMP	1021	Note: COMP1021 OR COMP1022P		3	3										3	This course will also be used to substitute ISOM 2010	
COMP	1022P	Introduction to Computer Science Introduction to Computing with Java		3													
ENGG	1010	Academic Orientation		0	0	0									0		
LANG	2030	Technical Communication I		3			3								3		
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]		4-7												6	
MATH	1013	Calculus IA		4													
MATH	1014	Calculus IB		3	3	3											
MATH	1020	Accelerated Calculus		4													
MATH	1023	Honors Calculus I		3													
MATH	1024	Honors Calculus II		3													
MATH	2011	Introduction to Multivariable Calculus		3				3							3		
MATH	2111	Matrix Algebra and Applications		3				3							3		
PHYS	1112	Note: PHYS1112 OR PHYS1312		3	3										3		
PHYS	1312	General Physics I with Calculus Honors General Physics I		3													
PHYS	1114	Note: PHYS1114 OR PHYS1314		3					3						3		
PHYS	1314	General Physics II 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				25-29											24		
Major Required Courses and Electives																	
CPEG	2930	Academic and Professional Development I		0			0	0							0		
CPEG	3930	Academic and Professional Development II		0				0	0						0		
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H		5-8												8	
COMP	2012	Programming with C++		4			4		4								
COMP	2012H	Object-Oriented Programming and Data Structures Honors Object-Oriented Programming and Data Structures		4 5													
COMP	2611	Note: COMP2611 OR ELEC2350		4												4	
ELEC	2350	Computer Organization Introduction to Computer Organization and Design		4 4			4										
COMP	2711	Note: COMP2711 OR COMP2711H OR ELEC 2600		4												4	
COMP	2711H	Discrete Mathematical Tools for Computer Science		4							4						
ELEC	2600	Honors Discrete Mathematical Tools for Computer Science Probability and Random Processes in Engineering		4 4													
COMP	3511	Operating Systems		3								3			3		
COMP	4521	Note: COMP4521 OR COMP4611 OR ELEC 4310		3-4												3	
COMP	4611	Mobile Application Development		3													
ELEC	4310	Design and Analysis of Computer Architectures		3													
ELEC	4320	Embedded System Design		4													
ELEC	4330	FPGA-based Design: From Theory to Practice Mobile Embedded Systems: Hardware Platform, Software Development, and Applications		3 3													
CPEG	1971	Note: [(CPEG4901 OR CPEG4902) AND CPEG1971] OR [(CPEG4911 OR CPEG4912) AND CPEG1971] OR CPEG4910		6												6	
CPEG	4901	Industrial Experience		0													
CPEG	4902	Computer Engineering Final Year Project in COMP		6									3	3			
CPEG	4911	Computer Engineering Final Year Thesis in COMP		6													
CPEG	4912	Computer Engineering Final Year Project in ELEC		6													
CPEG	4910	Computer Engineering Final Year Thesis in ELEC Co-op Program		6 6													
ELEC	1100	Introduction to Electro-Robot Design		4			4								4		
ELEC	1200	Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3)		8												8	
ELEC	2100	A System View of Communications: from Signals to Packets		4			4			4							
ELEC	2400	Signals and Systems Electronic Circuits		4 4													
ELEC	3300	Introduction to Embedded Systems		4								4			4		
ENGG	2010	Engineering Seminar Series		0			0	0	0	0					0		
LANG	4030	Note: LANG4030 OR LANG4031		3												3	
LANG	4031	Technical Communication II for CSE & CPEG Technical Communication II for ECE & CPEG		3 3									3				
COMP/ELEC		CPEG Restricted Elective (1 course from the specific elective list) Area Courses (At least 4 courses from the specified elective list, of which at least 2 courses should be taken from one single area and at least 2 courses outside that area. Courses taken as Major Required Courses may not be counted towards the elective requirement.)		18			3			3			4	4	4	18	
Required credits for Major Requirements Courses and Electives				59-63											65		
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 Microeconomics		3 3		3											
ECON	2123	Note: ECON 2123 OR ECON 3123		3						3						3	
ECON	3123	Macroeconomics Macroeconomic Theory I		3 3													
FINA	2303	Financial Management		3				3							3		
ISOM	2010	Introduction to Information Systems		3											0	Substituted by COMP 1021/1022P	
ISOM	2020	Coding for Business		1								1			1		
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	2130	Business Ethics and Social Responsibility		2								2			2		
SBMT	1111	Business Student Induction		0											0	Waived for DDP students	
LABU	2040	Business Case Analyses		3				3							3		
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												0	
MATH	1012	Calculus and Linear Algebra		3													
MATH	1013	Calculus IA		4													
MATH	1020	Calculus IB		3													
MATH	1023	Accelerated Calculus Honors Calculus I		4 3		(3)											
Required credits for School Requirements				43-44											39		
Major Requirements																	
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		
Required credits for Major Required Courses and Electives				24											24		
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMG	1010	Technology and Management Professional Activities		0	0	0	0	0	0	0	0	0	0	0	0		
TEMG	3950	Case-based Problem Solving		3			3								3		
Required credits for Additional Requirements				3											3		
University CORE																	
CORE	C3 - C12	U CORE - Others		30	6	3	3					9	3		6	30	
CORE	C1 & C2	U CORE - English Language		6	3	3									6		
Sub-total for University CORE				36											36		
Term load (excl. free credits)																	
					18	18	20	20	20	20	21	20	17	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):

>> 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.