

<< 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 Introduction to Computer Science	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 Computing with Java	3														
ENGG	1010	Academic Orientation	0	0	0										0		
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students	
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 General Physics I with Calculus	3	3											3		
PHYS	1312	Honors General Physics I	3														
PHYS	1114	Note: PHYS1114 OR PHYS1314 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			25-29												21		
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 Programming with C++	5-8													8	
COMP	2012	Object-Oriented Programming and Data Structures	4			4			4								
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5														
COMP	2611	Note: COMP2611 OR ELEC2350 Computer Organization	4													4	
ELEC	2350	Introduction to Computer Organization and Design	4			4											
COMP	2711	Note: COMP2711 OR COMP2711H OR ELEC 2600 Discrete Mathematical Tools for Computer Science	4								4				4		
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4														
ELEC	2600	Probability and Random Processes in Engineering	4														
COMP	3511	Operating Systems	3									3			3		
COMP	4521	CPEG Restricted Elective (1 course from the specified elective list). The course cannot be double counted in Area Courses requirement.	3-4													3	
COMP	4611	Mobile Application Development	3										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	3														
ELEC	4330	Mobile Embedded Systems: Hardware Platform, Software Development, and Applications	3														
CPEG	1971	Note: (CPEG1971 AND (CPEG4901 OR CPEG4902 OR CPEG4911 OR CPEG4912)) OR (CPEG4910) (Students taking the Research Option must take either CPEG4902 or CPEG4912)	6													6	
CPEG	4901	Industrial Experience	6											3			
CPEG	4902	Computer Engineering Final Year Project in COMP	6											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	6														
ELEC	1100	Introduction to Electro-Robot Design	4			4									4		
ELEC	1200	Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3) A System View of Communications: from Signals to Packets	8													8	
ELEC	2100	Signals and Systems	4			4											
ELEC	2400	Electronic Circuits	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 Technical Communication II for CSE, CPEG & DSCT	3											3	3		
LANG	4031	Technical Communication II for ECE & CPEG	3														
COMP/ELEC		Area Courses (At least 2 courses should be taken from one 15 single area and at least 2 courses outside that area. Courses taken as Major Required Courses may not be counted towards the elective requirement.)	15			3							4	4	4	15	
Required credits for Major Requirements Courses and Electives			59-63												62		
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 Principles of Microeconomics	3			3									3		
ECON	2113	Microeconomics	3														
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3						3						3		
ECON	3123	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 COMP1021 or COMP1029P	
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	-	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students	
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 Calculus and Linear Algebra	3-4													0	
MATH	1012	Calculus IA	4														
MATH	1013	Calculus IB	3														
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
Required credits for School Requirements			43-44												35		
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	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 - C12	U CORE - Others	30	3	3	6	3								6	30	
CORE	C1 & C2	U CORE - English Language	6	3	3										6	6	
Sub-total for University CORE			36												36		
Term load (excl. free credits)																	
18 18 20 18 20 21 19 17 17 17																	
185##																	
Notes:																	
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<p>() 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.</p>																	
**Remarks on course(s):																	
<p>>> 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.</p>																	