

<< 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 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		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		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		3												
PHYS	1114	Note: PHYS1114 OR PHYS1314		3					3						3	
PHYS	1314	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		4												
COMP	2611	Note: COMP2611 OR ELEC2350		4												4
ELEC	2350	Computer Organization		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		4												
COMP	3511	Probability and Random Processes in Engineering		4												3
COMP	3511	Operating Systems		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		4									3			
ELEC	4320	Embedded System Design		3												
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: [(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		6												
ELEC	1100	Co-op Program		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		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		3												3
LANG	4031	Technical Communication II for CSE & CPEG		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 Required Courses and Electives				59-63											65	
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: ECON 2103 OR ECON 2113		3		3									3	
ECON	2113	Principles of Microeconomics		3												
ECON	2123	Note: ECON 2123 OR ECON 3123		3					3						3	
ECON	3123	Macroeconomics		3												
FINA	2303	Macroeconomic Theory I		3				3							3	
ISOM	2010	Financial Management		3												
ISOM	2020	Introduction to Information Systems		3											0	Substituted by COMP 1021/1022P
ISOM	2500	Coding for Business		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	
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		4												
MATH	1023	Honors Calculus I		3												
Required credits for School Requirements				43-44											39	
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	3	7	3	3	10	29	
Required credits for Major Required Courses and Electives				29											29	
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	6	3		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	21	21	20	20	19	19		
196##																

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.