

School:		School of Engineering and School of Business Management				Student's Pathway												Remarks
Program:		Dual Degree Program (BEng in Computer Engineering and BBA in Management)																
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	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				
BEng in Computer Engineering																		
Major Requirements																		
Engineering Fundamental Courses																		
COMP	1021	Note: COMP1021 OR COMP1022P Introduction to Computer Science	3	3											3			
COMP	1022P		Introduction to Computing with Java	3												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												6			
MATH	1013		Calculus IA	3														
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												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 Programming with C++	5-8												8			
COMP	2012		Object-Oriented Programming and Data Structures	4			4											
COMP	2012H		Honors Object-Oriented Programming and Data Structures	5														
COMP	2611	Note: COMP2611 OR ELEC2350 Computer Organization	4				4								4			
ELEC	2350		Introduction to Computer Organization and Design	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	Note: COMP4521 OR COMP4611 OR ELEC 4310 Mobile Application Development	3-4												3			
COMP	4611		Design and Analysis of Computer Architectures	3														
ELEC	4310		Embedded System Design	4									3					
ELEC	4320		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 Project in ELEC	6														
CPEG	4912		Computer Engineering Final Year Thesis in ELEC	6														
CPEG	4910		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) A System View of Communications: from Signals to Packets	8												8			
ELEC	2100		Signals and Systems	4				4										
ELEC	2400		Electronic Circuits	4						4								
ELEC	3300		Introduction to Embedded Systems	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	3										3		3			
LANG	4031		Technical Communication II for ECE & CPEG	3														
COMPIELEC		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 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 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			
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	---	0			
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			
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			
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 Calculus and Linear Algebra	3-4												0			
MATH	1012		Calculus IA	3														
MATH	1013		Calculus IB	3	(3)													
MATH	1020		Accelerated Calculus	4														
MATH	1023		Honors Calculus I	3														
Required credits for School Requirements			43-44												39			
Major Requirements																		
Major Required Courses and Electives																		
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.) Human Resources Management	4							4					4			
MGMT	3120		Managerial Leadership	4														
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) Judgement and Decision Making in Organizations	4					4							4			
MGMT	3140		Negotiation	4														
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Corporate Strategy	3-4							3					3			
MGMT	4220		Entrepreneurship and Innovation	3														
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9							3	3	3			9			
Required credits for Major Required Courses and Electives			20-21												20			
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	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					9	3	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 17 20 20 20 20 21 19 19 13																		
187##																		
<< Declaration of BEng major << Declaration of BBA major																		

Notes:

- () indicates the reuse of the same course to fulfill more than one requirement.
- [] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.
- 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.