

<< 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 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	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1022P	Introduction to Computer Science	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			22-26													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	5-8														
COMP	2012	Programming with C++	4			4		4								8	
COMP	2012H	Object-Oriented Programming and Data Structures	4														
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5														
COMP	2611	Note: COMP2611 OR ELEC2350	4														
ELEC	2350	Computer Organization	4				4									4	
ELEC	2350	Introduction to Computer Organization and Design	4														
COMP	2711	Note: COMP2711 OR COMP2711H	4														
COMP	2711H	Discrete Mathematical Tools for Computer Science	4							4						4	
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4														
COMP	3511	Operating Systems	3									3				3	
CPEG	1971	Note: [CPEG 1971 AND (CPEG 4901 OR CPEG 4902 OR CPEG 4911 OR CPEG 4912)] OR [CPEG 4910] (Students taking the Research Option must take either CPEG 4902 or CPEG 4912)	6														
CPEG	4901	Industrial Experience	0														
CPEG	4902	Computer Engineering Final Year Project in COMP	6										3	3		6	
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														
CPEG	4910	Co-op Program	6														
ELEC	1100	Introduction to Electro-Robot Design	4			4										4	
ELEC	2100	Signals and Systems	4					4								4	
ELEC	2400	Electronic Circuits	4				4									4	
ELEC	2600	Probability and Random Processes in Engineering	4										4			4	
ELEC	3300	Introduction to Embedded Systems	4									4				4	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0							0	
COMP/ELEC		Area Courses (At least 2 courses should be taken from one single area and at least 2 courses outside that area (including course(s) in the Courses without Associated Area. Courses taken to satisfy CPEG Restricted Elective requirement may not be counted under Area Courses.)	12			3						3	3	3		12	
COMP/ELEC		COMP/ELEC 2000-level or above Elective (Any course(s) of the subject and level as specified)	3								3					3	
Required credits for Major Requirements Courses and Electives			57-60													60	
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	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	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 COMP 1029P
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 2110 is a major pre-requisite
MGMT	2130	Business Ethics and Social Responsibility	2											2		2	
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														
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			39-40													32	
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.)	4						4							4	Students in the Consulting Option must take MGMT 3120
MGMT	3120	Human Resources Management	4														
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4														
MGMT	3140	Judgement and Decision Making in Organizations	4							4						4	Students in the Consulting Option must take MGMT 3140
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.)	3-4										3			3	Students in the Consulting Option must take MGMT 4210
MGMT	4220	Corporate Strategy	3														
MGMT	4220	Entrepreneurship and Innovation	4														
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	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement
Required credits for Major Required Courses and Electives			20-21													20	
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	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 - C9	U CORE - Others	21			3					6	3	3	6		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	
Sub-total for University CORE			30													30	
Term load (excl. free credits)																	
					16	17	17	18	21	13	17	18	16	17			
170##																	

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.