

<< 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)															
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	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												0		Waived for DDP students
LANG	2030	Technical Communication I	3												0		
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			4		4							8		
COMP	2012	Object-Oriented Programming and Data Structures	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		
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									3	3		6		
CPEG	4902	Computer Engineering Final Year Project in COMP	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														
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						8		
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 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			59-63												63		
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		
ISOM	2020	Coding for Business	1												0		
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		
LANG	2061	Note: LANG 2061 OR 2062 OR 3060 Professional Writing for the Workplace	3									3			3		
LANG	2062	Professional Speaking for the Workplace	3														
LANG	3060	Advanced Academic Writing	3														
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4														
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 - C9	U CORE - Others	21			3			3	6	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 20 18 19 16 18																	
180##																	

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.