

<< 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 Finance)															
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			
<b>BEng in Computer Engineering</b>																	
<b>Major Requirements</b>																	
<b>Engineering Fundamental Courses</b>																	
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 Introduction to Computing with Java	3														
MATH	1012	Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7														
MATH	1013	Calculus IA	4														
MATH	1014	Calculus IB	3	3	3									6			
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 Honors General Physics I	3														
PHYS	1114	Note: PHYS1114 OR PHYS1314	3					3						3			
PHYS	1314	General Physics II 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			
<b>Required credits for Engineering Fundamental Courses</b>			22-26											21			
<b>Major Required Courses and Electives</b>																	
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 Honors Object-Oriented Programming and Data Structures	5														
COMP	2611	Note: COMP2611 OR ELEC2350	4					4						4			
ELEC	2350	Computer Organization Introduction to Computer Organization and Design	4														
COMP	2711	Note: COMP2711 OR COMP2711H	4							4				4			
COMP	2711H	Discrete Mathematical Tools for Computer Science 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									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					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			
<b>Required credits for Major Requirements Courses and Electives</b>			57-60											60			
<b>BBA in Finance</b>																	
<b>School Requirements</b>																	
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 Microeconomics	3														
ECON	2123	Note: ECON 2123 OR ECON 3123	3					3						3			
ECON	3123	Macroeconomics Macroeconomic Theory I	3														
FINA	2303	Financial Management	3				3							3	FINA 2303 is a major pre-requisite		
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	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												DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees		
MATH	1012	Calculus and Linear Algebra	3														
MATH	1013	Calculus IA	4														
MATH	1013	Calculus IB	3														
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
<b>Required credits for School Requirements</b>			39-40											32			
<b>Major Requirements</b>																	
<b>Major Required Courses and Electives</b>																	
FINA	3001	Key Skills for Finance Professionals (A)	1					1						1			
FINA	3103	Intermediate Investments	3					3						3			
FINA	3203	Derivative Securities	3						3					3			
FINA	3303	Intermediate Corporate Finance	3							3				3			
FINA	3810	Bloomberg Market Concepts Certification	0					0						0			
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6														
ACCT	3020	Financial Accounting I	3							3				3			
ACCT	3030	Financial Accounting II Intermediate Financial Accounting for Non-Accounting Majors	3														
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3							3				3	If DDP students took COMP 1021 in BEng requirement, they are required to enroll ISOM 3230.		
ISOM	3400	Business Programming in VBA Business Applications Development in Python	3														
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9								3	3	3	9			
<b>Required credits for Major Required Courses and Electives</b>			25-28											25			
<b>Additional Requirements</b>																	
<b>Requirements for Dual Degree Program</b>																	
<b>Required Courses</b>																	
TEMG	1010	T&M Professional Activities	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			
<b>Required credits for Additional Requirements</b>			7											7			
<b>University CORE</b>																	
CORE	C3 - C9	U CORE - Others	21			6				6	3			6			
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			
<b>Sub-total for University CORE</b>			30											30			
Term load (excl. free credits)																	
16    17    20    18    21    15    20    18    13    17																	
175##																	
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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.