

<< 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)			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 Introduction to Computer Science	3		3											3
COMP	1022P	Introduction to Computing with Java	3													3
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													
MATH	1013	Calculus IA	4													
MATH	1014	Calculus IB	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 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++	4				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
		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	1971	Industrial Experience	0													
CPEG	4901	Computer Engineering Final Year Project in COMP	6										3	3		6
CPEG	4902	Computer Engineering Final Year Thesis in COMP	6													
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	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 Finance																
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		(3)											0
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																
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 Financial Accounting I	3-6													
ACCT	3020	Financial Accounting II	3								3					3
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3													
ISOM	3230	Note: ISOM 3230 OR ISOM 3400 Business Programming in VBA	3							3						3
ISOM	3400	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
Required credits for Major Required Courses and Electives			25-28													25
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				6				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 20 18 21 19 20 18 15 17																
181##																

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):