

<< 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 Global Business)			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
COMP	1022P	Introduction to Computer Science	3													3
ENGG	1010	Academic Orientation	0	0	0											0
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	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	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			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	5-8													
COMP	2012	Programming with C++	4			4			4							8
COMP	2012H	Object-Oriented Programming and Data Structures	4													
COMP	2611	Note: COMP2611 OR ELEC2350	4													
ELEC	2350	Computer Organization	4				4									4
COMP	2711	Note: COMP2711 OR COMP2711H OR ELEC2600	4													
COMP	2711H	Discrete Mathematical Tools for Computer Science	4								4					4
ELEC	2600	Honors Discrete Mathematical Tools for Computer Science	4													
COMP	3511	Probability and Random Processes in Engineering	4													
COMP	4521	Operating Systems	3									3				3
COMP	4611	CPEG Restricted Elective (1 course from the specified elective list). The course cannot be double counted in Area Courses requirement.	3-4													
ELEC	4310	Mobile Application Development	3										3			3
ELEC	4320	Design and Analysis of Computer Architectures	3													
ELEC	4330	Embedded System Design	4													
ELEC	4330	FPGA-based Design: From Theory to Practice	3													
ELEC	4330	Mobile Embedded Systems: Hardware Platform, Software Development, and Applications	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													
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)	8													
ELEC	2100	A System View of Communications: from Signals to Packets	4				4		4							8
ELEC	2400	Signals and Systems	4													
ELEC	3300	Electronic Circuits	4													
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	3													
LANG	4031	Technical Communication II for CSE, CPEG & DSCT	3										3			3
COMP/ELEC		Technical Communication II for ECE & CPEG	3													
COMP/ELEC		Area Courses (At least 2 courses should be taken from one 15 single area and at least 2 courses outside that area. Courses taken as Major Required Courses may not be counted towards the elective requirement.)	15			3						4	4	4		15
Required credits for Major Requirements Courses and Electives			59-63													62
BBA in Global Business																
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
ECON	2113	Principles of Microeconomics	3		3											
ECON	2123	Note: ECON 2123 OR ECON 3123	3													
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
SBMT	1111	Business Student Induction	0													0
LABU	2040	Business Case Analyses	3													0
LABU	2060	Effective Communication in Business	3													0
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			43-44													35
Major Requirements																
Major Required Courses and Electives																
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	0	0
GBUS	2010	Global Business Analysis	3						3							3
GBUS	2020	Public Service Project	1							1	[1]					1
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM2040	3-4													
GBUS	2040	Global Business Case Studies	4								4	[3]				4
ISOM	2040	Business Simulation and Strategic Decisions	3													
GBUS	4910	Capstone Project	4										4	[4]		4
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15								3	6		6		15
Required credits for Major Required Courses and Electives			26-27													27
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 - C12	U CORE - Others	30	3	3	6	3	3			6				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 18 20 18 19 21 19 19 17 19																
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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):