

<< 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 Economics)			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												
<b>BEng in Computer Engineering</b>																
<b>Major Requirements</b>																
<b>Engineering Fundamental Courses</b>																
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												
ENGG	1010	Academic Orientation		0	0	0									0	
LANG	2030	Technical Communication I		3											0	Waived for DDP students
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 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	
<b>Required credits for Engineering Fundamental Courses</b>				25-29											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 Programming with C++		5-8												
COMP	2012	Object-Oriented Programming and Data Structures		4			4		4						8	
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
COMP	2611	Note: COMP2611 OR ELEC2350 Computer Organization		4												
ELEC	2350	Introduction to Computer Organization and Design		4			4								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	
COMP	4521	CPEG Restricted Elective (1 course from the specified elective list). The course cannot be double counted in Area Courses requirement.		3-4												
COMP	4611	Mobile Application Development		3								3			3	
ELEC	4310	Design and Analysis of Computer Architectures		3												
ELEC	4320	Embedded System Design		4												
ELEC	4320	FPGA-based Design: From Theory to Practice		4												
ELEC	4330	Mobile Embedded Systems: Hardware Platform, Software Development, and Applications		3												
CPEG	1971	Note: [CPEG1971 AND (CPEG4901 OR CPEG4902 OR CPEG4911 OR CPEG4912)] OR [CPEG4910] (Students taking the Research Option must take either CPEG4902 or CPEG4912)		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 Thesis in ELEC		6												
ELEC	1100	Introduction to Electro-Robot Design		4			4								4	
ELEC	1200	Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3) A System View of Communications: from Signals to Packets		8				4		4					8	
ELEC	2100	Signals and Systems		4												
ELEC	2400	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 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 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	
<b>Required credits for Major Requirements Courses and Electives</b>				59-63											62	
<b>BBA in Economics</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 Principles of Microeconomics		3			3								3	ECON 2103 / 2113 / 2123 is a major pre-requisite
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	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 COMP1029P
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	Waived for DDP students
LABU	2040	Business Case Analyses		3											0	Waived for DDP students
LABU	2060	Effective Communication in Business		3					3						3	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra		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 IA		4												
MATH	1013	Calculus IB		3	(3)										0	
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
<b>Required credits for School Requirements</b>				43-44											35	
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
ECON	3014	Managerial Microeconomics		4					4						4	
ECON	3024	Managerial Macroeconomics		4						4					4	
ECON	3334	Introduction to Econometrics		4							4				4	
ECON	4670	Economics Research and Communication		0									0		0	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)		11								4	4	3	11	
<b>Required credits for Major Required Courses and Electives</b>				23											23	
<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 - C12	U CORE - Others		30	3	3	3	3				9	3		6	30
CORE	C1 & C2	U CORE - English Language		6	3	3									6	
<b>Sub-total for University CORE</b>				36											36	
Term load (excl. free credits)																
18    18    17    18    20    21    19    20    17    16																
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<< Declaration of BEng major << Declaration of BBA major																

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.