

<< 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 General Business Management)			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	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															
ENG	1010	Academic Orientation	0	0	0										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] Calculus IA	4												6			
MATH	1013	Calculus IB	3															
MATH	1014	Calculus II	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++	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			
COMP	4521	CPEG Restricted Elective (1 course from the specified elective list). The course cannot be double counted in Area Courses requirement. Mobile Application Development	3-4															
COMP	4611	Design and Analysis of Computer Architectures	3									3			3			
ELEC	4310	Embedded System Design	4															
ELEC	4320	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) Industrial Experience	6															
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	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			
Required credits for Major Requirements Courses and Electives			59-63												62			
BBA in General Business Management																		
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	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			
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															
MATH	1012	Calculus IA	4															
MATH	1013	Calculus IB	3	(3)											0	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	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																		
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29					4	3	6	6	7	3		29			
Required credits for Major Required Courses and Electives			29												29			
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 - C12	U CORE - Others	30	3	3	6	3				6			9	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 20 20 18 19 20 19																		
190##																		
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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.