

<< Declaration of major

School: School of Engineering and School of Business Management		Student's Pathway												
Program: Dual Degree Program (BEng in Computer Science and BBA in General Business Management)														
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

BEng in Computer Science

Major Requirements

Engineering Fundamental Courses

COMP	1021	Introduction to Computer Science	3	3											
COMP	1022P	Introduction to Computing with Java	3											3	This course will also be used to substitute ISOM 2010
COMP	1022Q	Introduction to Computing with Excel VBA	3												
ENGG	1010	Academic Orientation	0	0	0									0	
CHEM	1004	General Chemistry IA	3												
CHEM	1010	General Chemistry IB	3												
LIFS	1020	General Biology I	3											3	
PHYS	1901	Physics and the Modern Society	3												
PHYS	1001	General Physics I with Calculus	3												
PHYS	1112	Honors General Physics I	3												
LANG	2030	Technical Communication I	3						3					3	
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
MATH	2111	Matrix Algebra and Applications	3						3					3	
SENG		Engineering Introduction course (COMP students may also use COMP1022P or COMP1022Q to fulfill this requirement)	3-4						(3)					0	
Required credits for Engineering Fundamental Courses			19-23											18	

Major Required Courses and Electives

COMP	2011	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	Computer Organization	4						4						4
COMP	2711	Discrete Mathematical Tools for Computer Science	4					4							4
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4												
COMP	3111	Software Engineering I	4						4						4
COMP	3111H	Honors Software Engineering	4												
COMP	3511	Operating Systems	3							3					3
COMP	3711	Design and Analysis of Algorithms	3-4							3					3
COMP	3711H	Honors Design and Analysis of Algorithms	4												
COMP	4900	Academic and Professional Development	0				0	0	0	0	0	0	0	0	0
COMP	4981	Industrial Experience	6												
COMP	4981	Final Year Project	6										3	3	6
COMP	4981H	Final Year Thesis	6												
COMP	4910	Co-op FYP Program	6												
ELEC	2600	Probability and Random Processes in Engineering	3-4												
IEDA	2520	Probability for Engineers	4												
IEDA	2540	Statistics for Engineers	3												
MATH	2411	Applied Statistics	4					4							4
MATH	2421	Probability	4												
MATH	2431	Honors Probability	4												
ENGG	2010	Engineering Seminar Series	0				0	0	0	0	0	0	0	0	0
LANG	4030	Technical Communication II for CSE & CPEG	3										3	3	
COMP		COMP Electives (5 courses from the specified elective list, of which at least 3 courses should be taken from 1 area and at least 2 courses outside that area.)	15							3	6	3	3	15	
COMP		COMP Elective (Any 1 course offered under COMP)	3										3	3	
Required credits for Major Requirements Courses and Electives			53-58											57	

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	Principles of Microeconomics	3					3							3
ECON	2113	Microeconomics	3												
ECON	2123	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							1					1
ISOM	2500	Business Statistics	3												0
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								3				3
LABU	2060	Effective Communication in Business	3									3			3
MATH	1003	Calculus and Linear Algebra	3-4												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			43-44											36	

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			6			3			3	6	7	4	29
Required credits for Major Required Courses and Electives			29													29

Additional Requirements

Requirements for Dual Degree Program

Required Courses

TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	Case-based Problem Solving	2			2									2
Required credits for Additional Requirements			2												2

University CORE

CORE	C3 - C12	U CORE - Others	30	6	3					3	6	6	3	3	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	17	20	17	17	19	17	18	19	16
178##									

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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.