

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway										
Program:		Dual Degree Program (BEng in Decision Analytics and BBA in Marketing)													
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	Remarks
BEng in Decision Analytics															
Major Requirements															
Engineering Fundamental Courses															
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5												
	1022P	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
	2011	Introduction to Computing with Java	3												
	2012H	Programming with C++	4												
	2012H	Honors Object-Oriented Programming and Data Structures	5												
CHEM	1020	Note: CHEM1020 OR PHYS1112 OR PHYS1312	3												
PHYS	1112	General Chemistry I	3	3										3	
PHYS	1312	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
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	3												
MATH	1023	Honors Calculus I	4												
MATH	1024	Honors Calculus II	3												
MATH	2011	Introduction to Multivariable Calculus	3				3							3	
MATH	2111	Matrix Algebra and Applications	3			3								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			22-27											18	
Major Required Courses and Electives															
IEDA	1010	Academic and Professional Development I	0			0	0							0	
IEDA	1020	Academic and Professional Development II	0					0	0					0	
IEDA	1901	Industrial Training and Experience	0										0	0	
IEDA	2520	Probability for Engineers	3			3								3	
IEDA	2540	Statistics for Engineers	3				3							3	will be used to substitute ISOM 2500
IEDA	3010	Prescriptive Analytics	3						3					3	
IEDA	3230	Engineering Economics and Accounting	3				3							3	
IEDA	3250	Stochastic Models	3						3					3	
IEDA	3300	Industrial Data Systems	3			3								3	
IEDA	3560	Predictive Analytics	3						3					3	
IEDA	4901	Note: IEDA4901 OR IEDA4920	6									3	3	6	
IEDA	4920	Final Year Thesis	6												
IEDA	4920	Decision Analytics Final Year Project	6												
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
ECON	2103	Note: ECON2103 OR ECON2113	3				3							3	
ECON	2113	Principles of Microeconomics	3												
ECON	2113	Microeconomics	3												
LANG	4032	Technical Communication II for IEDA and ISDN	3											3	
IEDA		Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area)	15							3	6	3	3	15	
Required credits for Major Required Courses and Electives			48											48	
BBA in Marketing															
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)							0	
ECON	2113	Principles of Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123	3							3				3	
ECON	3123	Macroeconomics	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 COMP 1021 or COMP 1029P
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by IEDA2540
ISOM	2600	Introduction to Business Analytics	1											1	
ISOM	2700	Operations Management	3											3	
MARK	2120	Marketing Management	3				3							3	MARK 2120 is a major pre-requisite
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	3									3		3	Non DDP-ECON students take ONLY a 3-credit of SBM-specific English course, in which they can choose from one of the three LANG courses (LANG 2061, LANG 2062, or LANG 3060).
LANG	2062	Professional Writing 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	3-4												
MATH	1012	Calculus and Linear Algebra	3												
MATH	1013	Calculus IA	4	(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											29	
Major Requirements															
Major Required Courses and Electives															
MARK	3220	Marketing Research	4					4						4	
MARK	3420	Consumer Behavior	4						4					4	
MARK	4210	Strategic Marketing	4							4				4	
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12								4	4	4	12	
Required credits for Major Required Courses and Electives			24											24	
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	
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	3		3				3	6			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	15	15	16	16	15	16	16	14		
156##															

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 specified for DDP.
 **Remarks on course(s):

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