

<< 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 Decision Analytics and BBA in Marketing)			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 Decision Analytics															
Major Requirements															
Engineering Fundamental Courses															
COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 2011 Introduction to Computer Science	3-4		3								3	This course will also be used to substitute ISOM 2010	
COMP	1022P	Introduction to Computing with Java	3												
COMP	2011	Programming with C++	4												
ENGG	1010	Academic Orientation	0	0	0								0		
CHEM	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312 General Chemistry IA	3												
CHEM	1020	General Chemistry IB	3	3									3		
PHYS	1112	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
LANG	2030	Technical Communication I	3				3						3		
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		
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										21		
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	1990	Note: IEDA1990 OR IEDA1991 Industrial Training	0			0	0	0	0	0	0	0	0		
IEDA	1991	Industrial Experience	0												
IEDA	2520	Probability for Engineers	3			3							3		
IEDA	2540	Statistics for Engineers	3				3						3	This course will also be used to substitute ISOM2500	
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 Final Year Thesis	6								3	3	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 Principles of Microeconomics	3			3							3		
ECON	2113	Microeconomics	3												
LANG	4032	Technical Communication II for Industrial Engineering and Decision Analytics	3							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 Principles of Microeconomics	3			(3)							0		
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	
ISOM	2020	Coding for Business	1					1					1		
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	0	Substituted by IEDA2540	
ISOM	2600	Introduction to Business Analytics	1					1					1		
ISOM	2700	Operations Management	3								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		
SBMT	1111	Business Student Induction	0	-	-	-	-	-	-	-	-	-	0	Waived for DDP students	
LABU	2040	Business Case Analyses	3					3					3		
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	3												
MATH	1013	Calculus IB	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	3												
MATH	1023	Honors Calculus I	4												
Required credits for School Requirements			43-44										33		
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	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	Case-based Problem Solving	3		3								3		
Required credits for Additional Requirements			3										3		
University CORE															
CORE	C3 - C12	U CORE - Others	30	9	6		3			3	3		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	18	18	17	19	15	16	13	13		
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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 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.