

<< 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	Introduction to Computer Science		3-5												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		3									3	
COMP	2011	Programming with C++		4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
CHEM	1020	General Chemistry I		3	3										3	
PHYS	1112	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	Calculus IA		4												
MATH	1013	Calculus IB		3												
MATH	1014	Calculus II		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											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	0	0	0	0	0	0	0	
IEDA	2520	Probability for Engineers		3			3								3	
IEDA	2540	Statistics for Engineers		3				3							3	
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	Final Year Thesis		6									3	3	6	
IEDA	4920	Decision Analytics Final Year Project		6											6	
ENGG	2010	Engineering Seminar Series		0			0	0	0	0					0	
ECON	2103	Principles of Microeconomics		3			3								3	
ECON	2113	Microeconomics		3											3	
LANG	4032	Technical Communication II for IEDA and ISDN		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	Principles of Microeconomics		3			(3)								0	
ECON	2113	Microeconomics		3											3	
ECON	2123	Macroeconomics		3				3							3	
ECON	3123	Macroeconomic Theory I		3											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 IEDA 2540
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	
LABU	2040	Business Case Analyses		3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2060	Effective Communication in Business		3						3					3	
MATH	1003	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		3												
MATH	1013	Calculus IB		4	(3)											
MATH	1020	Accelerated Calculus		3												
MATH	1023	Honors Calculus I		4												
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											12	
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	
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	0	3									3	
Sub-total for University CORE				30											30	
Term load (excl. free credits)																
					15	18	15	18	16	16	15	16	14	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.