

<< 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 Economics)			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													
<b>BEng in Decision Analytics</b>																
<b>Major Requirements</b>																
<b>Engineering Fundamental Courses</b>																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science	3-5													
COMP	1022P	Introduction to Computing with Java	3		3											
COMP	2011	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
CHEM	1012	Note: CHEM1012 OR PHYS1112 OR PHYS1312 General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3		3											
PHYS	1112	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
MATH	1012	Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020) Calculus IA	4-7													
MATH	1013	Calculus IB	3		3											
MATH	1014	Calculus II	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									
MATH	2111	Matrix Algebra and Applications	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)											
<b>Required credits for Engineering Fundamental Courses</b>			19-24												18	
<b>Major Required Courses and Electives</b>																
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	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			6	
IEDA	4920	Decision Analytics Final Year Project	6										3		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												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	
<b>Required credits for Major Required Courses and Electives</b>			45												45	
<b>BBA in Economics</b>																
<b>School Requirements</b>																
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 2103 / 2113 / 2123 is a major pre-requisite
ECON	2113	Microeconomics	3												0	
ECON	2123	Note: ECON 2123 OR ECON 3123 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	
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	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4												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	1012	Calculus IA	4												0	
MATH	1013	Calculus IB	3												0	
MATH	1020	Accelerated Calculus	4												0	
MATH	1023	Honors Calculus I	3												0	
<b>Required credits for School Requirements</b>			39-40												26	
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
ECON	3014	Managerial Microeconomics	4					4							4	
ECON	3024	Managerial Macroeconomics	4						4						4	
ECON	3334	Introduction to Econometrics	4							4					4	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3		11	
<b>Required credits for Major Required Courses and Electives</b>			23												23	
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
<b>Required Courses</b>																
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	
<b>Required credits for Additional Requirements</b>			7												7	
<b>University CORE</b>																
CORE	C3 - C9	U CORE - Others	21	3							6	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	
<b>Sub-total for University CORE</b>			30												30	
Term load (excl. free credits)																
					16	17	15	15	16	13	12	16	16	13		
<b>149##</b>																

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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.