

School:		School of Engineering and School of Business Management			Student's Pathway											
Program:		Dual Degree Program (BEng in Decision Analytics and BBA in Finance)														
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 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	1020	Note: CHEM1020 OR PHYS1112 OR PHYS1312 General Chemistry I		3												
PHYS	1112	General Physics I with Calculus		3	3											
PHYS	1312	Honors General Physics I		3												
LANG	2030	Technical Communication I		3	-	-	-	-	-	-	-	-	-	-	-	0
		Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)		4-7												
MATH	1012	Calculus IA		4												
MATH	1013	Calculus IB		3	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)										
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	-	-	-	-	-	-	-	-	-	-	-	0
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												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
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												45
BBA in Finance																
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												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
ISOM	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2500	Business Statistics		3		3										3
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
LANG	2061	Note: LANG 2061 OR 2062 OR 3060 Professional Writing for the Workplace		3										3		3
LANG	2062	Professional Speaking for the Workplace		3												3
LANG	3060	Advanced Academic Writing		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												0
MATH	1012	Calculus IA		4												0
MATH	1013	Calculus IB		4												0
MATH	1020	Accelerated Calculus		4												0
MATH	1023	Honors Calculus I		3												0
Required credits for School Requirements				43-44												32
Major Requirements																
Major Required Courses and Electives																
FINA	3001	Key Skills for Finance Professionals (A)		1						1						1
FINA	3103	Intermediate Investments		3						3						3
FINA	3203	Derivative Securities		3							3					3
FINA	3303	Intermediate Corporate Finance		3								3				3
FINA	3810	Bloomberg Market Concepts Certification		0						0						0
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 Financial Accounting I		3-6												
ACCT	3020	Financial Accounting II		3								3				3
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors		3												3
ISOM	3230	Note: ISOM 3230 OR ISOM 3400 Business Programming in VBA		3												0
ISOM	3400	Business Applications Development in Python		3								3				3
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)		9								3	3	3		9
Required credits for Major Required Courses and Electives				25-28												25
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	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	6	3	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	18	17	15	15	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.