

School		School of Engineering and School of Business Management		ee Selection of BEng major		ee Declaration of BEng major		ee Selection of BBA major		Student's Pathway										Remarks
Program:				Dual Degree Program (BEng in Decision Analytics and BBA in General Business Management)																
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-tot					
BEng in Decision Analytics																				
Engineering Fundamental Courses																				
COMP	1023	New: COMP1023 OR COMP2011 OR COMP2012H		3-5																
COMP	2011	Introduction to Python Programming		4		3										3				
COMP	2012H	Programming with C++ Honors Object-Oriented Programming and Data Structures		4																
CHEM	1012	New: CHEM1012 OR PHYS1112 OR PHYS1312		3																
PHYS	1112	General Chemistry II: Atomic Structure, Molecules, and Bonding Theories		3	3											3				
PHYS	1312	General Physics I with Calculus Honors General Physics I		3																
MATH	1013	New: (MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1025)		4-6																
MATH	1014	Calculus I		3		3	3													
MATH	1020	Accelerated Calculus		3												6				
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				
Required Credits for Engineering Fundamental Courses				16-20	6	6	3	3	0	0	0	0	0	0	0	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				
IEDA	2010	Introduction to Industrial Engineering and Decision Analytics		3			3									3				
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	3260	Stochastic Models		3					3							3				
IEDA	3300	Industrial Data Systems		3				3								3				
IEDA	3580	Predictive Analytics		3						3						3				
IEDA	4801	New: IEDA4801 OR IEDA4820		6																
IEDA	4901	Final Year Thesis		6										3	3	6				
IEDA	4920	Decision Analytics Final Year Project		6																
ECON	2103	New: ECON2103 OR ECON2113		3																
ECON	2113	Principles of Microeconomics		3					3							3				
ECON	2119	Principles of Macroeconomics		3																
IEDABSM		Area Electives (2 courses from the specified elective list, of which all 5 courses should be taken from the same area)		15						3	6	3	3	3		15				
BEng in Decision Analytics Major Requirements				48	0	0	12	3	9	6	6	3	6	3	48					
BBA in General Business Management																				
School Requirements																				
ACCT	2010	Principles of Accounting I		3	3											3				
ACCT	2200	Principles of Accounting II		3		3										3				
ECON	2103	New: ECON2103 OR ECON2113		3																
ECON	2113	Principles of Microeconomics		3			(5)									0				
ECON	2119	New: ECON2119 OR ECON3119		3																
ECON	2123	Macroeconomics		3							3					3				
FINA	2303	Financial Management		3					3							3				
FINA	2303	Financial Management		3																
ISOM	2010	Introduction to Information Systems		3	-	-	-	-	-	-	-	-	-	-	-	0				
ISOM	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	-	-	0				
ISOM	2500	Business Statistics		3	-	-	-	-	-	-	-	-	-	-	-	0				
ISOM	2600	Introduction to Business Analytics		1	-	-	-	-	-	-	-	-	-	-	-	0				
ISOM	2700	Operations Management		3	-	-	-	-	-	-	-	-	-	-	-	0				
MGMT	2120	Marketing Management		3								3				1				
MGMT	2010	Business Ethics and the Individual		2												3				
MGMT	2110	Organizational Behavior		3				3								3				
MGMT	2130	Business Ethics and Social Responsibility		2								2				2				
MATH	1003	New: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023		3-4																
MATH	1013	Calculus and Linear Algebra		3			(3)									0				
MATH	1014	Calculus I		3																
MATH	1020	Accelerated Calculus		3																
MATH	1023	Honors Calculus I		4																
Required Credits for School Requirements				30-40	3	3	3	6	2	3	2	3	0	1	26					
Major Required Courses and Electives																				
BBAM		BBAM Electives (any 9 courses offered by the departments under BBAM, of which at least 4 courses are of 3000-level or above.)		29					3	4	7	3	6	6	6	29				
Required Credits for Major Required Courses and Electives				23	0	0	0	0	3	4	7	3	6	6	29					
Additional Requirement for Dual Degree																				
Requirements for Dual Degree Program																				
TEMS	1011	T&M Professional Activities I		0	0	0	0									0				
TEMS	1012	T&M Professional Activities II		0				0	0							0				
TEMS	1013	T&M Professional Activities III		0					0	0						0				
TEMS	1014	T&M Professional Activities IV		0						0	0					0				
TEMS	1015	T&M Professional Activities V		0							0	0				0				
TEMS	3950	T&M Case Analysis and Product Innovation		3		3										3				
TEMS	4000	T&M Corporate Consulting Project		3-5								4				4				
Required Credits for Additional Requirements				7	0	3	0	0	0	0	0	4	0	0	7					
University Common Core Requirement																				
CORE	C3 - C9	U CORE - Others		21					3	3	3		3	3	6	21				
CORE	C1 & C2	U CORE - English Language		6	3	3										6				
IBAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	1	2										3				
Sub-total for University CORE				30	4	5	0	3	3	3	0	3	3	6	30					
Term total (omit free credits)																				
13 17 18 15 17 16 15 16 15 16 15 16 15 16 15 16																				
158																				

Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
* Courses offered in winter term
^ Courses offered in summer term
— denotes the course requirement is either waived or substituted
To graduate, students should complete all requirements as 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.