

School				School of Engineering and School of Business Management				Declaration of BBA major												Declaration of BBA major												Student's Pathway												Remarks
Program:				Dual Degree Program (BEng in Decision Analytics and BBA in Marketing)																																								
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 Spring	Year 5 Spring	Subtotal																													
BEng in Decision Analytics																																												
Engineering Fundamental Courses																																												
COMP 1023	1023	New: COMP1023 OR COMP2011 OR COMP2012H		3-5												3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020																											
COMP 2011	2011	Introduction to Python Programming		3		3																																						
COMP 2012H	2012H	Honors Object-Oriented Programming and Data Structures		5																																								
CHEM 1012	1012	New: CHEM1012 OR PHYS1112 OR PHYS1312		3												3																												
PHYS 1112	1112	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories		3		3																																						
PHYS 1312	1312	General Physics I with Calculus		3																																								
MATH 1013	1013	New: (MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)		4-6												6	DOP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees																											
MATH 1014	1014	Calculus I		3			3																																					
MATH 1020	1020	Accelerated Calculus		3																																								
MATH 1023	1023	Honors Calculus I		3																																								
MATH 1024	1024	Honors Calculus II		3																																								
MATH 2011	2011	Introduction to Multivariable Calculus		3				3								3																												
MATH 2111	2111	Matrix Algebra and Applications		3				3								3																												
Required Credits for Engineering Fundamental Courses				10-20	0	3	3	3	3	0	0	0	0	0	0	18																												
Major Required Courses and Electives																																												
IEDA 1010	1010	Academic and Professional Development I		0	0	0										0																												
IEDA 1020	1020	Academic and Professional Development II		0				0	0							0																												
IEDA 1901	1901	Industrial Training and Experience		0												0																												
IEDA 2010	2010	Introduction of Industrial Engineering and Decision Analytics		3	3											3																												
IEDA 2520	2520	Probability for Engineers		3				3								3																												
IEDA 2640	2640	Statistics for Engineers		3				3								3	This course will also be used to substitute ISOM2000																											
IEDA 3010	3010	Prescriptive Analytics		3					3							3																												
IEDA 3230	3230	Engineering Economics and Accounting		3				3								3																												
IEDA 3250	3250	Stochastic Models		3					3							3																												
IEDA 3300	3300	Industrial Data Systems		3				3								3																												
IEDA 3600	3600	Predictive Analytics		3					3							3																												
IEDA 4001	4001	New: IEDA4001 OR IEDA4020		6												6																												
IEDA 4020	4020	Final Year Thesis		6										3	3																													
ECON 2103	2103	New: ECON2103 OR ECON2113		3			3									3																												
ECON 2113	2113	Principles of Microeconomics		3																																								
IEDAISM		Area Electives (5 courses from the specified elective list, of which at 3 courses should be taken from this category)		15					3	6	3	3	3			15																												
BEng in Decision Analytics Major Requirements				48	3	3	9	3	6	6	6	3	6	3	48																													
BBA in Marketing																																												
School Requirements																																												
ACCT 2010	2010	Principles of Accounting I		3	3											3																												
ACCT 2020	2020	Principles of Accounting II		3									3			3																												
ECON 2103	2103	New: ECON 2103 OR ECON 2113		3			(5)									0																												
ECON 2113	2113	Principles of Microeconomics		3																																								
ECON 2123	2123	New: ECON 2123 OR ECON 3123		3												3																												
ECON 3123	3123	Macroeconomic Theory I		3																																								
FINA 2203	2203	Financial Management		3			3									3																												
ISOM 2010	2010	Introduction to Information Systems		3	-	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 or COMP 2012H are now advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 2012H instead of ISOM 2010.																											
ISOM 2020	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DOP students who have taken and passed COMP 1023, COMP 2011 or COMP 2012H. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.																											
ISOM 2600	2600	Business Statistics		3	-	-	-	-	-	-	-	-	-	-	-	0	Substituted by IEDA3600																											
ISOM 2605	2605	Introduction to Business Analytics		1											1	1																												
ISOM 2700	2700	Operations Management		3																																								
MARK 2120	2120	Marketing Management		3			3									3																												
MGMT 2010	2010	Business Ethics and the Individual		2				2								2	MARK 2120 is a major pre-requisite																											
MGMT 2110	2110	Organizational Behavior		3		3										3																												
MGMT 2130	2130	Business Ethics and Social Responsibility		2							2					2																												
MATH 1003	1003	New: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023		3-4																																								
MATH 1013	1013	Calculus and Linear Algebra		3			(2)									0	DOP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees																											
MATH 1020	1020	Accelerated Calculus		4																																								
MATH 1023	1023	Honors Calculus I		3																																								
Required Credits for School Requirements				30-40	3	3	0	6	2	3	2	3	3	1	26																													
Major Required Courses and Electives																																												
MARK 3220	3220	Marketing Research		4				4								4																												
MARK 3420	3420	Consumer Behavior		4					4							4																												
MARK 4210	4210	Strategic Marketing		4						4						4																												
MARK 4210	4210	MARK 4210 is a major pre-requisite		4							4	4	4	4	4	12																												
Required Credits for Major Required Courses and Electives				24	0	0	0	0	4	4	4	4	4	4	4	24																												
Additional Requirements for Dual Degree																																												
Requirements for Dual Degree Program																																												
TEMS 1011	1011	TEMS Professional Activities I		0	0	0	0									0																												
TEMS 1012	1012	TEMS Professional Activities II		0			0	0								0																												
TEMS 1013	1013	TEMS Professional Activities III		0					0	0						0																												
TEMS 1014	1014	TEMS Professional Activities IV		0						0	0					0	To graduate, students should complete ALL requirements as specified for DOP																											
TEMS 1015	1015	TEMS Professional Activities V		0							0	0				0																												
TEMS 1016	1016	TEMS Case Analysis and Product Innovation		3		3										3																												
TEMS 4000	4000	TEMS Corporate Consulting Project		3-5				4								4																												
Required Credits for Additional Requirements				7	0	3	0	4	0	0	0	0	0	0	0	7																												
University Common Core Requirement																																												
CORE C1 - C9		(1) CORE - Chinese		21			3		3		3	3	3	6	21																													
CORE C1 & C2		(1) CORE - English Language		6	3	3										6																												
HEAR 1905	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	1	2										3																												
Sub-total for University CORE				30	4	5	3	0	3	0	3	3	3	6	30																													
Term total (incl. free credits)																																												
19 17 10 16 15 13 15 13 16 14																																												
153#																																												
153																																												

Notes:
() indicates the reuse of the same course to fulfil 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 currency)

>> 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.