

<< 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 Global Business)		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	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science	3-5																			
COMP	1022P	Introduction to Computing with Java	3		3									3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020							
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										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)	4-7																			
MATH	1013	Calculus IA	4																			
MATH	1014	Calculus IB	3	3	3									6								
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							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			19-24											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				3							3	to substitute ISOM 2500							
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								
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			45											45								
BBA in Global Business																						
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	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																			
MATH	1012	Calculus IA	3																			
MATH	1013	Calculus IB	4	(3)										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	1020	Accelerated Calculus	4																			
MATH	1023	Honors Calculus I	3																			
Required credits for School Requirements			39-40											26								
Major Requirements																						
Major Required Courses and Electives																						
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0								
GBUS	2010	Global Business Analysis	3						3					3								
GBUS/SBMT		Note: GBUS 2020 OR GBUS 2040 OR SBMT 2100-2110	1-4																			
GBUS	2020	Public Service Project	1						1	[1]				1								
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1																			
SBMT	2100-2110	Community Services Project	4																			
GBUS/ISOM		Note: GBUS 3030 OR ISOM 4780	3-4																			
GBUS	3030	Global Business Case Studies	4							3	[3]			3								
ISOM	4780	Integrated Planning and Execution	3																			
GBUS	4910	Capstone Project	4									4	[4]	4								
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15								6	3	6	15								
Required credits for Major Required Courses and Electives			26-30											26								
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		3	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	18	15	13	14	15	13	16
152##																						

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):