

<< 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	
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	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science	3-5												
COMP 1022P	1022P	Introduction to Computing with Java	3		3										
COMP 2011	2011	Programming with C++	4												
COMP 2012H	2012H	Honors Object-Oriented Programming and Data Structures	5												
CHEM 1020	1020	Note: CHEM1020 OR PHYS1112 OR PHYS1312 General Chemistry I	3	3											
PHYS 1112	1112	General Physics I with Calculus	3												
PHYS 1312	1312	Honors General Physics I	3												
LANG 2030	2030	Technical Communication I	3												
MATH 1012	1012	Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7												
MATH 1013	1013	Calculus IA	4												
MATH 1014	1014	Calculus IB	3												
MATH 1020	1020	Accelerated Calculus	3	3	3										
MATH 1023	1023	Honors Calculus I	4												
MATH 1024	1024	Honors Calculus II	3												
MATH 2011	2011	Introduction to Multivariable Calculus	3				3								
MATH 2111	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>			22-27												18
<b>Major Required Courses and Electives</b>															
IEDA 1010	1010	Academic and Professional Development I	0			0	0								
IEDA 1020	1020	Academic and Professional Development II	0					0	0						
IEDA 1901	1901	Industrial Training and Experience	0										0		
IEDA 2520	2520	Probability for Engineers	3			3									
IEDA 2540	2540	Statistics for Engineers	3				3								
IEDA 3010	3010	Prescriptive Analytics	3					3							
IEDA 3230	3230	Engineering Economics and Accounting	3				3								
IEDA 3250	3250	Stochastic Models	3					3							
IEDA 3300	3300	Industrial Data Systems	3			3									
IEDA 3560	3560	Predictive Analytics	3						3						
IEDA 4901	4901	Note: IEDA4901 OR IEDA4920 Final Year Thesis	6									3	3		6
IEDA 4920	4920	Decision Analytics Final Year Project	6												
ENGG 2010	2010	Engineering Seminar Series	0			0	0	0	0						
ECON 2103	2103	Note: ECON2103 OR ECON2113 Principles of Microeconomics	3			3									
ECON 2113	2113	Microeconomics	3												
LANG 4032	4032	Technical Communication II for IEDA and ISDN	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>			48												48
<b>BBA in Global Business</b>															
<b>School Requirements</b>															
ACCT 2010	2010	Principles of Accounting I	3	3											3
ACCT 2200	2200	Principles of Accounting II	3					3							3
ECON 2103	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			(3)									0
ECON 2113	2113	Microeconomics	3												
ECON 2123	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3						3						3
ECON 3123	3123	Macroeconomic Theory I	3												
FINA 2303	2303	Financial Management	3					3							3
ISOM 2010	2010	Introduction to Information Systems	3												0
ISOM 2020	2020	Coding for Business	1												0
ISOM 2500	2500	Business Statistics	3												0
ISOM 2600	2600	Introduction to Business Analytics	1												1
ISOM 2700	2700	Operations Management	3									3			3
MARK 2120	2120	Marketing Management	3					3							3
MGMT 2010	2010	Business Ethics and the Individual	2						2						2
MGMT 2110	2110	Organizational Behavior	3			3									3
MGMT 2130	2130	Business Ethics and Social Responsibility	2									2			2
LANG 2061	2061	Note: LANG 2061 OR 2062 OR 3060 Professional Writing for the Workplace	3										3		3
LANG 2062	2062	Professional Speaking for the Workplace	3												
LANG 3060	3060	Advanced Academic Writing	3												
MATH 1003	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4												
MATH 1012	1012	Calculus IA	4												
MATH 1013	1013	Calculus IB	3												
MATH 1020	1020	Accelerated Calculus	4												
MATH 1023	1023	Honors Calculus I	3												
<b>Required credits for School Requirements</b>			43-44												29
<b>Major Requirements</b>															
<b>Major Required Courses and Electives</b>															
GBUS 1000	1000	Global Leadership Development	0					0	0	0	0	0	0	0	0
GBUS 2010	2010	Global Business Analysis	3						3						3
GBUS 2020	2020	Note: GBUS 2020 OR GBUS 2040 Public Service Project	1							1	[1]				1
GBUS 2040	2040	Environmental, Social, and Governance (ESG) Corporate Project	1												
GBUS/ISOM 3030	3030	Note: GBUS 3030 OR ISOM 4780 Global Business Case Studies	4								4	[3]			4
GBUS 4780	4780	Integrated Planning and Execution	3												
GBUS 4910	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
<b>Required credits for Major Required Courses and Electives</b>			26-27												27
<b>Additional Requirements</b>															
<b>Requirements for Dual Degree Program</b>															
<b>Required Courses</b>															
TEMG 1010	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG 3950	3950	T&M Case Analysis and Product Innovation	3		3										3
TEMG 4950	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		3		3		3	3			6	21
CORE C1 & C2		U CORE - English Language	6	3	3										6
HMAW 1905	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	18	15	16	15	16	16		
159##															

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):