

An Example on Student's Pathway (as of Summer 2018-19)

<< Declaration of major

School:		School of Engineering and School of Business Management			Student's Pathways (i.e. Study Pattern)												Remarks
Program:		Dual Degree Program (BEng in Decision Analytics and BBA in General Business Management)			Background: BKDSE 4 Core + 2 Elec. (incl. 1/2x PHYS, 1/2x CHEM) Profile: Normative Students to graduate in (Beng & BBA) DAGBM												
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			
BEng in Decision Analytics																	
Major Requirements																	
Engineering Fundamental Courses																	
COMP		Note: [COMP 1021] OR ([COMP 1022P OR COMP 1022Q OR COMP 2011])	3-5														
COMP	1021	Introduction to Computer Science	3		3									3	This course will also be used to substitute ISOM 2010		
COMP	1022P	Introduction to Computing with Java	3														
COMP	1022Q	Introduction to Computing with Excel VBA	3														
COMP	2011	Introduction to Object-oriented Programming	4														
ENGG	1010	Academic Orientation	0	0	0									0			
CHEMPHYS		Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312	3														
CHEM	1010	General Chemistry IA	3														
CHEM	1020	General Chemistry IB	3	3										3			
PHYS	1112	General Physics I with Calculus	3														
PHYS	1312	Honors General Physics I	3														
LANG	2030	Technical Communication I	3				3							3			
MATH		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														
MATH	1014	Calculus II	3														
MATH	1020	Accelerated Calculus	4	3	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			
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									3			
Required credits for Engineering Fundamental Courses			22-27											24			
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		Note: IEDA1990 OR IEDA1991	0					0	0	0	0	0	0	0			
IEDA	1990	Industrial Training	0														
IEDA	1991	Industrial Experience	0														
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	3250	Operations Research II*	3						3					3			
IEDA	3300	Industrial Data Systems	3				3							3			
IEDA	3560	Predictive Analytics	3						3					3			
IEDA		Note: IEDA4901 OR IEDA4920	6										3	3	6		
IEDA	4901	Final Year Thesis	6														
IEDA	4920	Decision Analytics Final Year Project	6														
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0			
ECON		Note: ECON2103 OR ECON2113	3														
ECON	2103	Principles of Microeconomics	3			3								3			
ECON	2113	Microeconomics	3														
LANG	4032	Technical Communication II for Industrial Engineering and Decision Analytics	3							3				3			
IEDA		*Extra Electives (5 courses from the specified elective list, or which are 5 courses should be taken from the same area)	15							3	6	3	3	15			
Required credits for Major Required Courses and Electives			48											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		Note: ECON 2103 OR ECON 2113	3														
ECON	2103	Principles of Microeconomics	3			(3)								0			
ECON	2113	Microeconomics	3														
ECON		Note: ECON 3123 OR ECON 3123 (Students who wish to pursue BSc: ECOP must take ECON 3123)	3										3	3			
ECON	3123	Macroeconomics	3														
ECON	3123	Macroeconomics (Macroeconomic Theory I)	3														
FINA	2303	Financial Management	3									3		3			
ISOM	2010	Introduction to Information Systems	3											0	Substituted by COMP 1021/1022P/1022Q		
ISOM	2500	Business Statistics	3						3					3			
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			
SBMT	1111	Business Student Induction	0											0	Substituted by ENGG 1010		
LABU	2040	Business Case Analyses	3						3					3			
LABU	2060	Effective Communication in Business	3							3				3			
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4														
MATH	1003	Calculus and Linear Algebra	3														
MATH	1012	Calculus IA	4														
MATH	1013	Calculus IB	3														
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
Required credits for School Requirements			43-44											34	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		
Major Requirements																	
Major Required Courses and Electives																	
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29					3		6	6	7	7	29			
Required credits for Major Required Courses and Electives			29											29			
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0			
Required credits for Additional Requirements			0											0			
University CORE																	
CORE	C3 - C12	U CORE - Others	30	3	6	3		3		3	3	3	6	30			
CORE	C1 & C2	U CORE - English Language	6	3	3									6			
Sub-total for University CORE			36											36			
Term load (excl. free credits)																	
12 18 17 18 18 18 17 18 19 16																	
171																	
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Note:

() 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):

- IEDA 3250: The course title will be changed to "Stochastic Models" starting from Spring, 2019-20.