

An Example on Student's Pathway

<< Declaration of major

School:		School of Engineering and School of Business Management			Student's Pathway										
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-total	Remarks
BEng in Decision Analytics															
Major Requirements															
Engineering Fundamental Courses															
COMP	1021	Introduction to Computer Science	3												
COMP	1022P	Introduction to Computing with Java	3		3										
COMP	1022Q	Introduction to Computing with Excel VBA	3												
COMP	2011	Programming with C++	4											3	This course will also be used to substitute ISOM 2010
ENGG	1010	Academic Orientation	0	0	0									0	
CHEM	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312													
CHEM	1020	General Chemistry IA	3												
CHEM	1112	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	
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	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			22-27											21	
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	1990	Note: IEDA1990 OR IEDA1991													
IEDA	1991	Industrial Training	0			0	0	0	0	0	0	0	0	0	
IEDA	1991	Industrial Experience	0												
IEDA	2520	Probability for Engineers	3			3								3	
IEDA	2540	Statistics for Engineers	3				3							3	This course will also be used to substitute ISOM 2500
IEDA	3010	Prescriptive Analytics	3					3						3	
IEDA	3230	Engineering Economics and Accounting	3				3							3	
IEDA	3250	Operations Research III**	3						3					3	
IEDA	3300	Industrial Data Systems	3				3							3	
IEDA	3560	Predictive Analytics	3						3					3	
IEDA	4901	Note: IEDA4901 OR IEDA4920													
IEDA	4901	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													
ECON	2113	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		Area Electives (5 courses from the specified elective list, or 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			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	2103	Note: ECON 2103 OR ECON 2113													
ECON	2113	Principles of Microeconomics	3											0	
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON2123 OR ECON3123													
ECON	2123	Macroeconomics	3									3		3	
ECON	3123	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/2011
ISOM	2020	Coding for Business	1						1					1	
ISOM	2500	Business Statistics	3											0	Substituted by IEDA2540
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	
SBMT	1111	Business Student Induction	0											0	Waived for DDP students
LABU	2040	Business Case Analyses	3								3			3	
LABU	2060	Effective Communication in Business	3								3			3	
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3		(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			43-44											33	
Major Requirements															
Major Required Courses and Electives															
SB&M		SB&M Electives (any 7 courses offered by the departments under SB&M, or 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	
TEMG	3950	Case-based Problem Solving	2		2									2	
Required credits for Additional Requirements			2											2	
University CORE															
CORE	C3 - C12	U CORE - Others	30	9	6				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)															
				18	17	17	18	17	18	17	15	16	16		
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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):
IEDA3250 The course title will be changed to "Stochastic Models" starting from Spring, 2019-20.

>> 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.